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UNITED STATES DEPARTMENT OF AGRICULTURE
Production and Marketing Administration
Cotton Branch

November 1953

TABLES OF COTTON-FIBER TENSILE STRENGTH FOR USE IN MAKING PRESSLEY TESTS 1/

The Pressley instrument is widely used in the cotton industry for testing cotton fibers for tensile strength. In making strength tests with this instrument there are various calculations involved in obtaining the strength value in terms of pounds per square inch of fibers. The customary procedure has been to obtain an index by dividing the Pressley beam reading by the weight of the bundle of fibers and then calculate the tensile strength (1,000 lbs. per sq. inch) by the following formula:

Tensile strength (1,000 lbs. per sq. in.) = (index x 10.8116) -0.12

To reduce the time involved in making Pressley calculations, a set of tables has been prepared to provide the tensile strength values directly from the Pressley beam reading and the weight of the fiber bundle. These tables are given on pages 2 to 23 inclusive of this report. The formula used for calculating data for these tables is as follows:

$$\text{Tensile strength (1,000 lbs. per sq. in.)} = \frac{\text{Pressley beam reading} \times 10.8116}{\text{Bundle wt. (in milligrams)}} - 0.12$$

The tables are used as standard procedure for Pressley tests in all of the fiber laboratories operated by the Cotton Branch. Other fiber laboratories may find the tables useful in reducing the time required for calculating tensile strength values.

In the event the Pressley beam reading or the fiber bundle weight do not fall within these tables, the above formula can be used to calculate the strength value.

If the Pressley index is desired, that value may be obtained from a conversion table that has been included also which shows Pressley indices for various 1,000 pounds per square inch values (page 24).

1/ Prepared by the Research and Testing Division

Agriculture--Washington

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COTTON-FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 10.0 - 10.9

Bundle weight	Beam reading 10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
0.50	216.1	218.3	220.4	222.6	224.8	226.9	229.1	231.2	233.4	235.6
1	211.9	214.0	216.1	218.2	220.4	222.5	224.6	226.7	228.8	231.0
2	207.8	209.9	212.0	214.0	216.1	218.2	220.3	222.3	224.4	226.5
3	203.9	205.9	208.0	210.0	212.0	214.1	216.1	218.2	220.2	222.2
4	200.1	202.1	204.1	206.1	208.1	210.1	212.1	214.1	216.1	218.1
.55	196.5	198.4	200.4	202.4	204.3	206.3	208.2	210.2	212.2	214.1
6	192.9	194.9	196.8	198.7	200.7	202.6	204.5	206.5	208.4	210.3
7	189.6	191.5	193.4	195.2	197.1	199.0	200.9	202.8	204.7	206.6
8	186.3	188.2	190.0	191.9	193.7	195.6	197.5	199.3	201.2	203.1
9	183.1	185.0	186.8	188.6	190.5	192.3	194.1	196.0	197.8	199.6
.60	180.1	181.9	183.7	185.5	187.3	189.1	190.9	192.7	194.5	196.3
1	177.1	178.9	180.7	182.4	184.2	186.0	187.8	189.5	191.3	193.1
2	174.3	176.0	177.7	179.5	181.2	183.0	184.7	186.5	188.2	190.0
3	171.5	173.2	174.9	176.6	178.4	180.1	181.8	183.5	185.2	186.9
4	168.8	170.5	172.2	173.9	175.6	177.3	178.9	180.6	182.3	184.0
.65	166.2	167.9	169.5	171.2	172.9	174.5	176.2	177.9	179.5	181.2
6	163.7	165.3	167.0	168.6	170.2	171.9	173.5	175.2	176.8	178.4
7	161.2	162.9	164.5	166.1	167.7	169.3	170.9	172.5	174.2	175.8
8	158.9	160.5	162.1	163.6	165.2	166.8	168.4	170.0	171.6	173.2
9	156.6	158.1	159.7	161.3	162.8	164.4	166.0	167.5	169.1	170.7
.70	154.3	155.9	157.4	159.0	160.5	162.1	163.6	165.1	166.7	168.2
1	152.2	153.7	155.2	156.7	158.2	159.8	161.3	162.8	164.3	165.9
2	150.0	151.5	153.0	154.5	156.0	157.5	159.1	160.6	162.1	163.6
3	148.0	149.5	150.9	152.4	153.9	155.4	156.9	158.4	159.8	161.3
4	146.0	147.4	148.9	150.4	151.8	153.3	154.7	156.2	157.7	159.1
.75	144.0	145.5	146.9	148.4	149.8	151.2	152.7	154.1	155.6	157.0
6	142.1	143.6	145.0	146.4	147.8	149.3	150.7	152.1	153.5	154.9
7	140.3	141.7	143.1	144.5	145.9	147.3	148.7	150.1	151.5	152.9
8	138.5	139.9	141.3	142.6	144.0	145.4	146.8	148.2	149.6	151.0
9	136.7	138.1	139.5	140.8	142.2	143.6	144.9	146.3	147.7	149.1
.80	135.0	136.4	137.7	139.1	140.4	141.8	143.1	144.5	145.8	147.2
1	133.4	134.7	136.0	137.4	138.7	140.0	141.4	142.7	144.0	145.4
2	131.7	133.0	134.4	135.7	137.0	138.3	139.6	141.0	142.3	143.6
3	130.1	131.4	132.7	134.0	135.4	136.7	138.0	139.3	140.6	141.9
4	128.6	129.9	131.2	132.5	133.7	135.0	136.3	137.6	138.9	140.2
.85	127.1	128.3	129.6	130.9	132.2	133.4	134.7	136.0	137.2	136.5
6	125.6	126.9	128.1	129.4	130.6	131.9	133.1	134.4	135.7	136.9
7	124.2	125.4	126.6	127.9	129.1	130.4	131.6	132.9	134.1	135.3
8	122.7	124.0	125.2	126.4	127.7	128.9	130.1	131.3	132.6	133.8
9	121.4	122.6	123.8	125.0	126.2	127.4	128.6	129.9	131.1	132.3
.90	120.0	121.2	122.4	123.6	124.8	126.0	127.2	128.4	129.6	130.8
1	118.7	119.9	121.1	122.3	123.4	124.6	125.8	127.0	128.2	129.4
2	117.4	118.6	119.7	120.9	122.1	123.3	124.4	125.6	126.8	128.0
3	116.1	117.3	118.5	119.6	120.8	121.9	123.1	124.3	125.4	126.6
4	114.9	116.0	117.2	118.3	119.5	120.6	121.8	122.9	124.1	125.2
.95	113.7	114.8	116.0	117.1	118.2	119.4	120.5	121.7	122.8	123.9
6	112.5	113.6	114.8	115.9	117.0	118.1	119.3	120.4	121.5	122.6
7	111.3	112.5	113.6	114.7	115.8	116.9	118.0	119.1	120.3	121.4
8	110.2	111.3	112.4	113.5	114.6	115.7	116.8	117.9	119.0	120.1
9	109.1	110.2	111.3	112.4	113.5	114.5	115.6	116.7	117.8	118.9

Bundle weight	Beam reading 10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
1.00	108.0	109.1	110.2	111.2	112.3	113.4	114.5	115.6	116.6	117.7
1	106.9	108.0	109.1	110.1	111.2	112.3	113.3	114.4	115.5	116.6
2	105.9	106.9	108.0	109.1	110.1	111.2	112.3	113.3	114.4	115.4
3	104.8	105.9	106.9	108.0	109.0	110.1	111.1	112.2	113.2	114.3
4	103.8	104.9	105.9	107.0	108.0	109.0	110.1	111.1	112.2	113.2
1.05	102.8	103.9	104.9	105.9	107.0	108.0	109.0	110.1	111.1	112.1
6	101.9	102.9	103.9	104.9	106.0	107.0	108.0	109.0	110.0	111.1
7	100.9	101.9	102.9	104.0	105.0	106.0	107.0	108.0	109.0	110.0
8	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0
9	99.1	100.1	101.1	102.0	103.0	104.0	105.0	106.0	107.0	108.0
1.10	98.2	99.2	100.1	101.1	102.1	103.1	104.1	105.0	106.0	107.0
1	97.3	98.3	99.2	100.2	101.2	102.2	103.1	104.1	105.1	106.0
2	96.4	97.4	98.3	99.3	100.3	101.2	102.2	103.2	104.1	105.1
3	95.6	96.5	97.5	98.4	99.4	100.3	101.3	102.3	103.2	104.2
4	94.7	95.7	96.6	97.6	98.5	99.5	100.4	101.4	102.3	103.3
1.15	93.9	94.8	95.8	96.7	97.7	98.6	99.5	100.5	101.4	102.4
6	93.1	94.0	94.9	95.9	96.8	97.7	98.7	99.6	100.5	101.5
7	92.3	93.2	94.1	95.1	96.0	96.9	97.8	98.8	99.7	100.6
8	91.5	92.4	93.3	94.3	95.2	96.1	97.0	97.9	98.8	99.7
9	90.7	91.6	92.6	93.5	94.4	95.3	96.2	97.1	98.0	98.9
1.20	90.0	90.9	91.8	92.7	93.6	94.5	95.4	96.3	97.2	98.1
1	89.2	90.1	91.0	91.9	92.8	93.7	94.6	95.5	96.4	97.3
2	88.5	89.4	90.3	91.2	92.0	92.9	93.8	94.7	95.6	96.5
3	87.8	88.7	89.5	90.4	91.3	92.2	93.1	93.9	94.8	95.7
4	87.1	87.9	88.8	89.7	90.6	91.4	92.3	93.2	94.0	94.9
1.25	86.4	87.2	88.1	89.0	89.8	90.7	91.6	92.4	93.3	94.2
6	85.7	86.5	87.4	88.3	89.1	90.0	90.8	91.7	92.6	93.4
7	85.0	85.9	86.7	87.6	88.4	89.3	90.1	91.0	91.8	92.7
8	84.3	85.2	86.0	86.9	87.7	88.6	89.4	90.3	91.1	91.9
9	83.7	84.5	85.4	86.2	87.0	87.9	88.7	89.6	90.4	91.2
1.30	83.0	83.9	84.7	85.5	86.4	87.2	88.0	88.9	89.7	90.5
1	82.4	83.2	84.1	84.9	85.7	86.5	87.4	88.2	89.0	89.8
2	81.8	82.6	83.4	84.2	85.1	85.9	86.7	87.5	88.3	89.2
3	81.2	82.0	82.8	83.6	84.4	85.2	86.0	86.9	87.7	88.5
4	80.6	81.4	82.2	83.0	83.8	84.6	85.4	86.2	87.0	87.8
1.35	80.0	80.8	81.6	82.4	83.2	84.0	84.8	85.6	86.4	87.2
6	79.4	80.2	81.0	81.8	82.6	83.4	84.1	84.9	85.7	86.5
7	78.8	79.6	80.4	81.2	82.0	82.7	83.5	84.3	85.1	85.9
8	78.2	79.0	79.8	80.6	81.4	82.1	82.9	83.7	84.5	85.3
9	77.7	78.4	79.2	80.0	80.8	81.6	82.3	83.1	83.9	84.7
1.40	77.1	77.9	78.7	79.4	80.2	81.0	81.7	82.5	83.3	84.1
1	76.6	77.3	78.1	78.9	79.6	80.4	81.2	81.9	82.7	83.5
2	76.0	76.8	77.5	78.3	79.1	79.8	80.6	81.3	82.1	82.9
3	75.5	76.2	77.0	77.7	78.5	79.3	80.0	80.8	81.5	82.3
4	75.0	75.7	76.5	77.2	78.0	78.7	79.5	80.2	81.0	81.7
1.45	74.4	75.2	75.9	76.7	77.4	78.2	78.9	79.7	80.4	81.2
6	73.9	74.7	75.4	76.2	76.9	77.6	78.4	79.1	79.9	80.6
7	73.4	74.2	74.9	75.6	76.4	77.1	77.8	78.6	79.3	80.0
8	72.9	73.7	74.4	75.1	75.9	76.6	77.3	78.0	78.8	79.5
9	72.4	73.2	73.9	74.6	75.3	76.1	76.8	77.5	78.2	79.0

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 10.0 - 10.9

Bundle	Beam reading									
weight	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
1.50	72.0	72.7	73.4	74.1	74.8	75.6	76.3	77.0	77.7	78.4
1	71.5	72.2	72.9	73.6	74.3	75.1	75.8	76.5	77.2	77.9
2	71.0	71.7	72.4	73.1	73.9	74.6	75.3	76.0	76.7	77.4
3	70.5	71.3	72.0	72.7	73.4	74.1	74.8	75.5	76.2	76.9
4	70.1	70.8	71.5	72.2	72.9	73,6	74.3	75.0	75,7	76.4
1.55	69.6	70.3	71.0	71.7	72.4	73.1	73.8	74.5	75.2	75.9
6	69.2	69.9	70.6	71.3	72.0	72.7	73.3	74.0	74.7	75.4
7	68.7	69.4	70.1	70.8	71.5	72.2	72.9	73.6	74.3	74.9
8	68.3	69.0	69.7	70.4	71.0	71.7	72.4	73.1	73.8	74.5
9	67.9	68.6	69.2	69.9	70.6	71.3	72.0	72.6	73.3	74.0
1.60	67.5	68.1	68.8	69.5	70.2	70.8	71.5	72.2	72.9	73.5
1	67.0	67.7	68.4	69.0	69.7	70.4	71.1	71.7	72.4	73.1
2	66.6	67.3	68.0	68.6	69.3	70.0	70.6	71.3	72.0	72.6
3	66.2	66.9	67.5	68.2	68.9	69.5	70.2	70.9	71.5	72.2
4	65.8	66.5	67.1	67.8	68.4	69.1	69.8	70.4	71.1	71.7
1.65	65.4	66.1	66.7	67.4	68.0	68.7	69.3	70.0	70.6	71.3
6	65.0	65.7	66.3	67.0	67.6	68.3	68.9	69.6	70.2	70.9
7	64.6	65.3	65.9	66.6	67.2	67.9	68.5	69.2	69.8	70.4
8	64.2	64.9	65.5	66.2	66.8	67.5	68.1	68.7	69.4	70.0
9	63.9	64.5	65.1	65.8	66.4	67.1	67.7	68.3	69.0	69.6
1.70	63.5	64.1	64.7	65.4	66.0	66.7	67.3	67.9	68.6	69.2
1	63.1	63.7	64.4	65.0	65.6	66.3	66.9	67.5	68.2	68.8
2	62.7	63.4	64.0	64.6	65.3	65.9	66.5	67.1	67.8	68.4
3	62.4	63.0	63.6	64.2	64.9	65.5	66.1	66.7	67.4	68.0
4	62.0	62.6	63.3	63.9	64.5	65.1	65.7	66.4	67.0	67.6
1.75	61.7	62.3	62.9	63.5	64.1	64.7	65.4	66.0	66.6	67.2
6	61.3	61.9	62.5	63.2	63.8	64.4	65.0	65.6	66.2	66.8
7	61.0	61.6	62.2	62.8	63.4	64.0	64.6	65.2	65.8	66.5
8	60.6	61.2	61.8	62.4	63.0	63.7	64.3	64.9	65.5	66.1
9	60.3	60.9	61.5	62.1	62.7	63.3	63.9	64.5	65.1	65.7
1.80	59.9	60.5	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.4
1	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.0
2	59.3	59.9	60.5	61.1	61.7	62.3	62.8	63.4	64.0	64.6
3	59.0	59.6	60.1	60.7	61.3	61.9	62.5	63.1	63.7	64.3
4	58.6	59.2	59.8	60.4	61.0	61.6	62.2	62.8	63.4	63.9
1.85	58.3	58.9	59.5	60.1	60.7	61.2	61.8	62.4	63.0	63.6
6	58.0	58.6	59.2	59.8	60.3	60.9	61.5	62.1	62.7	63.2
7	57.7	58.3	58.9	59.4	60.0	60.6	61.2	61.7	62.3	62.9
8	57.4	58.0	58.5	59.1	59.7	60.3	60.8	61.4	62.0	62.6
9	57.1	57.7	58.2	58.8	59.4	59.9	60.5	61.1	61.7	62.2
1.90	56.8	57.4	57.9	58.5	59.1	59.6	60.2	60.8	61.3	61.9
1	56.5	57.1	57.6	58.2	58.7	59.3	59.9	60.4	61.0	61.6
2	56.2	56.8	57.3	57.9	58.4	59.0	59.6	60.1	60.7	61.3
3	55.9	56.5	57.0	57.6	58.1	58.7	59.3	59.8	60.4	60.9
4	55.6	56.2	56.7	57.3	57.8	58.4	59.0	59.5	60.1	60.6
1.95	55.3	55.9	56.4	57.0	57.5	58.1	58.7	59.2	59.8	60.3
6	55.0	55.6	56.1	56.7	57.2	57.8	58.4	58.9	59.5	60.0
7	54.8	55.3	55.9	56.4	57.0	57.5	58.1	58.6	59.2	59.7
8	54.5	55.0	55.6	56.1	56.7	57.2	57.8	58.3	58.9	59.4
9	54.2	54.8	55.3	55.8	56.4	56.9	57.5	58.0	58.6	59.1

Bundle	Beam reading									
weight	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
2.00	53.9	54.5	55.0	55.6	56.1	56.6	57.2	57.7	58.3	58.8
1	53.7	54.2	54.7	55.3	55.8	56.4	56.9	57.4	58.0	58.5
2	53.4	53.9	54.5	55.0	55.5	56.1	56.6	57.1	57.7	58.2
3	53.1	53.7	54.2	54.7	55.3	55.8	56.3	56.9	57.4	57.9
4	52.9	53.4	53.9	54.5	55.0	55.5	56.1	56.6	57.1	57.6
2.05	52.6	53.1	53.7	54.2	54.7	55.3	55.8	56.3	56.8	57.4
6	52.4	52.9	53.4	53.9	54.5	55.0	55.5	56.0	56.6	57.1
7	52.1	52.6	53.2	53.7	54.2	54.7	55.2	55.8	56.3	56.8
8	51.9	52.4	52.9	53.4	53.9	54.5	55.0	55.5	56.0	56.5
9	51.6	52.1	52.6	53.2	53.7	54.2	54.7	55.2	55.7	56.3
2.10	51.4	51.9	52.4	52.9	53.4	53.9	54.5	55.0	55.5	56.0
1	51.1	51.6	52.1	52.7	53.2	53.7	54.2	54.7	55.2	55.7
2	50.9	51.4	51.9	52.4	52.9	53.4	53.9	54.4	55.0	55.5
3	50.6	51.1	51.7	52.2	52.7	53.2	53.7	54.2	54.7	55.2
4	50.4	50.9	51.4	51.9	52.4	52.9	53.4	53.9	54.4	54.9
2.15	50.2	50.7	51.2	51.7	52.2	52.7	53.2	53.7	54.2	54.7
6	49.9	50.4	50.9	51.4	51.9	52.4	52.9	53.4	53.9	54.4
7	49.7	50.2	50.7	51.2	51.7	52.2	52.7	53.2	53.7	54.2
8	49.5	50.0	50.5	51.0	51.5	52.0	52.5	52.9	53.4	53.9
9	49.2	49.7	50.2	50.7	51.2	51.7	52.2	52.7	53.2	53.7
2.20	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.4
1	48.8	49.3	49.8	50.3	50.8	51.2	51.7	52.2	52.7	53.2
2	48.6	49.1	49.6	50.0	50.5	51.0	51.5	52.0	52.5	53.0
3	48.4	48.8	49.3	49.8	50.3	50.8	51.3	51.8	52.2	52.7
4	48.1	48.6	49.1	49.6	50.1	50.6	51.0	51.5	52.0	52.5
2.25	47.9	48.4	48.9	49.4	49.9	50.3	50.8	51.3	51.8	52.3
6	47.7	48.2	48.7	49.2	49.6	50.1	50.6	51.1	51.5	52.0
7	47.5	48.0	48.5	48.9	49.4	49.9	50.4	50.8	51.3	51.8
8	47.3	47.8	48.2	48.7	49.2	49.7	50.1	50.6	51.1	51.6
9	47.1	47.6	48.0	48.5	49.0	49.5	49.9	50.4	50.9	51.3
2.30	46.9	47.4	47.8	48.3	48.8	49.2	49.7	50.2	50.6	51.1
1	46.7	47.2	47.6	48.1	48.6	49.0	49.5	50.0	50.4	50.9
2	46.5	46.9	47.4	47.9	48.3	48.8	49.3	49.7	50.2	50.7
3	46.3	46.7	47.2	47.7	48.1	48.6	49.1	49.5	50.0	50.5
4	46.1	46.5	47.0	47.5	47.9	48.4	48.9	49.3	49.8	50.2
2.35	45.9	46.3	46.8	47.3	47.7	48.2	48.6	49.1	49.6	50.0
6	45.7	46.1	46.6	47.1	47.5	48.0	48.4	48.9	49.4	49.8
7	45.5	46.0	46.4	46.9	47.3	47.8	48.2	48.7	49.1	49.6
8	45.3	45.8	46.2	46.7	47.1	47.6	48.0	48.5	48.9	49.4
9	45.1	45.6	46.0	46.5	46.9	47.4	47.8	48.3	48.7	49.2
2.40	44.9	45.4	45.8	46.3	46.7	47.2	47.6	48.1	48.5	49.0
1	44.7	45.2	45.6	46.1	46.5	47.0	47.4	47.9	48.3	48.8
2	44.6	45.0	45.4	45.9	46.3	46.8	47.2	47.7	48.1	48.6
3	44.4	44.8	45.3	45.7	46.2	46.6	47.0	47.5	47.9	48.4
4	44.2	44.6	45.1	45.5	46.0	46.4	46.8	47.3	47.7	48.2
2.45	44.0	44.5	44.9	45.3	45.8	46.2	46.7	47.1	47.5	48.0
6	43.8	44.3	44.7	45.1	45.6	46.0	46.5	46.9	47.3	47.8
7	43.7	44.1	44.5	45.0	45.4	45.8	46.3	46.7	47.2	47.6
8	43.5	43.9	44.3	44.8	45.2	45.7	46.1	46.5	47.0	47.4
9	43.3	43,7	44.2	44.6	45.0	45.5	45.9	46.3	46.8	47.2

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 11.0 - 11.9

Bundle weight	Beam reading 11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
.50	237.7	239.9	242.1	244.2	246.4	248.5	250.7	252.9	255.0	257.2
1	233.1	235.2	237.3	239.4	241.6	243.7	245.8	247.9	250.0	252.2
2	228.6	230.7	232.7	234.8	236.9	239.0	241.1	243.1	245.2	247.3
3	224.3	226.3	228.4	230.4	232.4	234.5	236.5	238.6	240.6	242.6
4	220.1	222.1	224.1	226.1	228.1	230.1	232.1	234.1	236.1	238.1
.55	216.1	218.1	220.0	222.0	224.0	225.9	227.9	229.9	231.8	233.8
6	212.3	214.2	216.1	218.0	220.0	221.9	223.8	225.8	227.7	229.6
7	208.5	210.4	212.3	214.2	216.1	218.0	219.9	221.8	223.7	225.6
8	204.9	206.8	208.7	210.5	212.4	214.2	216.1	218.0	219.8	221.7
9	201.5	203.3	205.1	206.9	208.8	210.6	212.4	214.3	216.1	217.9
.60	198.1	198.9	201.7	203.5	205.3	207.1	208.9	210.7	212.5	214.3
1	194.8	196.6	198.4	200.2	201.9	203.7	205.5	207.3	209.0	210.8
2	191.7	193.4	195.2	196.9	198.7	200.4	202.2	203.9	205.6	207.4
3	188.7	190.4	192.1	193.8	195.5	197.2	199.0	200.7	202.4	204.1
4	185.7	187.4	189.1	190.8	192.5	194.2	195.8	197.5	199.2	200.9
.65	182.8	184.5	186.2	187.8	189.5	191.2	192.8	194.5	196.2	197.8
6	180.1	181.7	183.3	185.0	186.6	188.3	189.9	191.5	193.2	194.8
7	177.4	179.0	180.6	182.2	183.8	185.5	187.1	188.7	190.3	191.9
8	174.8	176.4	178.0	179.5	181.1	182.7	184.3	185.9	187.5	189.1
9	172.2	173.8	175.4	176.9	178.5	180.1	181.6	183.2	184.8	186.3
.70	169.8	171.3	172.9	174.4	176.0	177.5	179.0	180.6	182.1	183.7
1	167.4	168.9	170.4	172.0	173.5	175.0	176.5	178.0	179.6	181.1
2	165.1	166.6	168.1	169.6	171.1	172.6	174.1	175.6	177.1	178.6
3	162.8	164.3	165.8	167.2	168.7	170.2	171.7	173.2	174.6	176.1
4	160.6	162.1	163.5	165.0	166.4	167.9	169.4	170.8	172.3	173.7
.75	158.5	159.9	161.3	162.8	164.2	165.7	167.1	168.5	170.0	171.4
6	156.4	157.8	159.2	160.6	162.1	163.5	164.9	166.3	167.7	169.2
7	154.3	155.7	157.1	158.5	159.9	161.4	162.8	164.2	165.6	167.0
8	152.4	153.7	155.1	156.5	157.9	159.3	160.7	162.1	163.4	164.8
9	150.4	151.8	153.2	154.5	155.9	157.3	158.6	160.0	161.4	162.7
.80	148.5	149.9	151.2	152.6	153.9	155.3	156.6	158.0	159.4	160.7
1	146.7	148.0	149.4	150.7	152.0	153.4	154.7	156.0	157.4	158.7
2	144.9	146.2	147.6	148.9	150.2	151.5	152.8	154.1	155.5	156.8
3	143.2	144.5	145.8	147.1	148.4	149.7	151.0	152.3	153.6	154.9
4	141.5	142.7	144.0	145.3	146.6	147.9	149.2	150.5	151.8	153.0
.85	139.8	141.1	142.3	143.6	144.9	146.2	147.4	148.7	150.0	151.2
6	138.2	139.4	140.7	141.9	143.2	144.5	145.7	147.0	148.2	149.5
7	136.6	137.8	139.1	140.3	141.5	142.8	144.0	145.3	146.5	147.8
8	135.0	136.3	137.5	138.7	139.9	141.2	142.4	143.6	144.9	146.1
9	133.5	134.7	135.9	137.2	138.4	139.6	140.8	142.0	143.2	144.4
.90	132.0	133.2	134.4	135.6	136.8	138.0	139.2	140.4	141.6	142.8
1	130.6	131.8	132.9	134.1	135.3	136.5	137.7	138.9	140.1	141.3
2	129.1	130.3	131.5	132.7	133.8	135.0	136.2	137.4	138.6	139.7
3	127.8	128.9	130.1	131.2	132.4	133.6	134.7	135.9	137.1	138.2
4	126.4	127.5	128.7	129.8	131.0	132.1	133.3	134.4	135.6	136.8
.95	125.1	126.2	127.3	128.5	129.6	130.8	131.9	133.0	134.2	135.3
6	123.8	124.9	126.0	127.1	128.3	129.4	130.5	131.6	132.8	133.9
7	122.5	123.6	124.7	125.8	126.9	128.1	129.2	130.3	131.4	132.5
8	121.2	122.3	123.4	124.5	125.6	126.8	127.9	129.0	130.1	131.2
9	120.0	121.1	122.2	123.3	124.4	125.5	126.6	127.7	128.7	129.8

Bundle weight	Beam reading 11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
1.00	118.8	119.9	121.0	122.1	123.1	124.2	125.3	126.4	127.5	128.5
1	117.6	118.7	119.8	120.8	121.9	123.0	124.1	125.1	126.2	127.3
2	116.5	117.5	118.6	119.7	120.7	121.8	122.8	123.9	125.0	126.0
3	115.3	116.4	117.4	118.5	119.5	120.6	121.6	122.7	123.7	124.8
4	114.2	115.3	116.3	117.4	118.4	119.4	120.5	121.5	122.6	123.6
1.05	113.1	114.2	115.2	116.2	117.3	118.3	119.3	120.4	121.4	122.4
6	112.1	113.1	114.1	115.1	116.2	117.2	118.2	119.2	120.2	121.3
7	111.0	112.0	113.0	114.1	115.1	116.1	117.1	118.1	119.1	120.1
8	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0
9	109.0	110.0	111.0	112.0	113.0	113.9	114.9	115.9	116.9	117.9
1.10	108.0	109.0	110.0	110.9	111.9	112.9	113.9	114.9	115.9	116.8
1	107.0	108.0	109.0	109.9	110.9	111.9	112.9	113.8	114.8	115.8
2	106.1	107.0	108.0	109.0	109.9	110.9	111.9	112.8	113.8	114.8
3	105.1	106.1	107.0	108.0	109.0	109.9	110.9	111.8	112.8	113.7
4	104.2	105.2	106.1	107.0	108.0	108.9	110.0	110.8	111.8	112.7
1.15	103.3	104.2	105.2	106.1	107.1	108.0	108.9	109.9	110.8	111.8
6	102.4	103.3	104.3	105.2	106.1	107.1	108.0	108.9	110.0	110.8
7	101.5	102.5	103.4	104.3	105.2	106.1	107.1	108.0	108.9	109.8
8	100.7	101.6	102.5	103.4	104.3	105.2	106.2	107.1	108.0	108.9
9	99.8	100.7	101.6	102.5	103.5	104.4	105.3	106.2	107.1	108.0
1.20	99.0	99.9	100.8	101.7	102.6	103.5	104.4	105.3	106.2	107.1
1	98.2	99.1	100.0	100.8	101.7	102.6	103.5	104.4	105.3	106.2
2	97.4	98.2	99.1	100.0	100.9	101.8	102.7	103.6	104.5	105.3
3	96.6	97.4	98.3	99.2	100.1	101.0	101.8	102.7	103.6	104.5
4	95.8	96.7	97.5	98.4	99.3	100.1	101.0	101.9	102.8	103.6
1.25	95.0	95.9	96.8	97.6	98.5	99.3	100.2	101.1	101.9	102.8
6	94.3	95.1	96.0	96.8	97.7	98.6	99.4	100.3	101.1	102.0
7	93.5	94.4	95.2	96.1	96.9	97.8	98.6	99.5	100.3	101.2
8	92.8	93.6	94.5	95.3	96.2	97.0	97.9	98.7	99.5	100.4
9	92.1	92.9	93.7	94.6	95.4	96.3	97.1	97.9	98.8	99.6
1.30	91.4	92.2	93.0	93.9	94.7	95.5	96.4	97.2	98.0	98.8
1	90.7	91.5	92.3	93.1	94.0	94.8	95.6	96.4	97.3	98.1
2	90.0	90.8	91.6	92.4	93.3	94.1	94.9	95.7	96.5	97.3
3	89.3	90.1	90.9	91.7	92.6	93.4	94.2	95.0	95.8	96.6
4	88.6	89.4	90.2	91.1	91.9	92.7	93.5	94.3	95.1	95.9
1.35	88.0	88.8	89.6	90.4	91.2	92.0	92.8	93.6	94.4	95.2
6	87.3	88.1	88.9	89.7	90.5	91.3	92.1	92.9	93.7	94.5
7	86.7	87.5	88.3	89.1	89.8	90.6	91.4	92.2	93.0	93.8
8	86.1	86.8	87.6	88.4	89.2	90.0	90.8	91.5	92.3	93.1
9	85.4	86.2	87.0	87.8	88.6	89.3	90.1	90.9	91.7	92.4
1.40	84.8	85.6	86.4	87.1	87.9	88.7	89.5	90.2	91.0	91.8
1	84.2	85.0	85.8	86.5	87.3	88.1	88.8	89.6	90.4	91.1
2	83.6	84.4	85.2	85.9	86.7	87.4	88.2	89.0	89.7	90.5
3	83.0	83.8	84.6	85.3	86.1	86.8	87.6	88.3	89.1	89.9
4	82.5	83.2	84.0	84.7	85.5	86.2	87.0	87.7	88.5	89.2
1.45	81.9	82.6	83.4	84.1	84.9	85.6	86.4	87.1	87.9	88.6
6	81.3	82.1	82.8	83.6	84.3	85.0	85.8	86.5	87.3	88.0
7	80.8	81.5	82.3	83.0	83.7	84.5	85.2	85.9	86.7	87.4
8	80.2	81.0	81.7	82.4	83.2	83.9	84.6	85.4	86.1	86.8
9	79.7	80.4	81.1	81.9	82.6	83.3	84.1	84.8	85.5	86.2

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 11.0 - 11.9

Bundle weight	Beam Reading 11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
1.50	79.2	79.9	80.6	81.3	82.0	82.8	83.5	84.2	84.9	85.7
1	78.6	79.4	80.1	80.8	81.5	82.2	82.9	83.7	84.4	85.1
2	78.1	78.8	79.5	80.3	81.0	81.7	82.4	8.31	83.8	84.5
3	77.6	78.3	79.0	79.7	80.4	81.1	81.9	82.6	83.3	84.0
4	77.1	77.8	78.5	79.2	79.9	80.6	81.3	82.0	82.7	83.4
1.55	76.6	77.3	78.0	78.7	79.4	80.1	80.8	81.5	82.2	82.9
6	76.1	76.8	77.5	78.2	78.9	79.6	80.3	81.0	81.7	82.4
7	75.6	76.3	77.0	77.7	78.4	79.1	79.8	80.5	81.1	81.8
8	75.2	75.8	76.5	77.2	77.9	78.6	79.3	79.9	80.6	81.3
9	74.7	75.4	76.0	76.7	77.4	78.1	78.8	79.4	80.1	80.8
1.60	74.2	74.9	75.6	76.2	76.9	77.6	78.3	78.9	79.6	80.3
1	73.7	74.4	75.1	75.8	76.4	77.1	77.8	78.4	79.1	79.8
2	73.3	74.0	74.6	75.3	76.0	76.6	77.3	78.0	78.6	79.3
3	72.8	73.5	74.2	74.8	75.5	76.2	76.8	77.5	78.1	78.8
4	72.4	73.1	73.7	74.4	75.0	75.7	76.4	77.0	77.7	78.3
1.65	72.0	72.6	73.3	73.9	74.6	75.2	75.9	76.5	77.2	77.9
6	71.5	72.2	72.8	73.5	74.1	74.8	75.4	76.1	76.7	77.4
7	71.1	71.7	72.4	73.0	73.7	74.3	75.0	75.6	76.3	76.9
8	70.7	71.3	72.0	72.6	73.2	73.9	74.5	75.2	75.8	76.5
9	70.3	70.9	71.5	72.2	72.8	73.5	74.1	74.7	75.4	76.0
1.70	69.8	70.5	71.1	71.7	72.4	73.0	73.7	74.3	74.9	75.6
1	69.4	70.1	70.7	71.3	72.0	72.6	73.2	73.9	74.5	75.1
2	69.0	69.7	70.3	70.9	71.5	72.2	72.8	73.4	74.1	74.7
3	68.6	69.2	69.9	70.5	71.1	71.7	72.4	73.0	73.6	74.2
4	68.2	68.9	69.5	70.1	70.7	71.3	72.0	72.6	73.2	73.8
1.75	67.8	68.5	69.1	69.7	70.3	70.9	71.5	72.2	72.8	73.4
6	67.5	68.1	68.7	69.3	69.9	70.5	71.1	71.8	72.4	73.0
7	67.1	67.7	68.3	68.9	69.5	70.1	70.7	71.3	72.0	72.6
8	66.7	67.3	67.9	68.5	69.1	69.7	70.3	70.9	71.6	72.2
9	66.3	66.9	67.5	68.1	68.7	69.3	69.9	70.5	71.2	71.8
1.80	66.0	66.6	67.2	67.8	68.4	69.0	69.6	70.2	70.8	71.4
1	65.6	66.2	66.8	67.4	68.0	68.6	69.2	69.8	70.4	71.0
2	65.2	65.8	66.4	67.0	67.6	68.2	68.8	69.4	70.0	70.6
3	64.9	65.5	66.0	66.6	67.2	67.8	68.4	69.0	69.6	70.2
4	64.5	65.1	65.7	66.3	66.9	67.5	68.1	68.6	69.2	69.8
1.85	64.2	64.7	65.3	65.9	66.5	67.1	67.7	68.3	68.8	69.4
6	63.8	64.4	65.0	65.6	66.1	66.7	67.3	67.9	68.5	69.1
7	63.5	64.1	64.6	65.2	65.8	66.4	66.9	67.5	68.1	68.7
8	63.1	63.7	64.3	64.9	65.4	66.0	66.6	67.2	67.7	68.3
9	62.8	63.4	63.9	64.5	65.1	65.7	66.2	66.8	67.4	68.0
1.90	62.5	63.0	63.6	64.2	64.7	65.3	65.9	66.5	67.0	67.6
1	62.1	62.7	63.3	63.8	64.4	65.0	65.5	66.1	66.7	67.2
2	61.8	62.4	62.9	63.5	64.1	64.6	65.2	65.8	66.3	66.9
3	61.5	62.1	62.6	63.2	63.7	64.3	64.9	65.4	66.0	66.5
4	61.2	61.7	62.3	62.9	63.4	64.0	64.5	65.1	65.6	66.2
1.95	60.9	61.4	62.0	62.5	63.1	63.6	64.2	64.7	65.3	65.9
6	60.6	61.1	61.7	62.2	62.8	63.3	63.9	64.4	65.0	65.5
7	60.2	60.8	61.3	61.9	62.4	63.0	63.5	64.1	64.6	65.2
8	59.9	60.5	61.0	61.6	62.1	62.7	63.2	63.8	64.3	64.9
9	59.6	60.2	60.7	61.3	61.8	62.4	62.9	63.4	64.0	64.5

Bundle weight	Beam Reading 11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
2.00	59.3	59.9	60.4	61.0	61.5	62.0	62.6	63.1	63.7	64.2
1	59.0	59.6	60.1	60.7	61.2	61.7	62.3	62.8	63.4	63.9
2	58.8	59.3	59.8	60.4	60.9	61.4	62.0	62.5	63.0	63.6
3	58.5	59.0	59.5	60.1	60.6	61.1	61.7	62.2	62.7	63.3
4	58.2	58.7	59.2	59.8	60.3	60.8	61.4	61.9	62.4	62.9
2.05	57.9	58.4	58.9	59.5	60.0	60.5	61.1	61.6	62.1	62.6
6	57.6	58.1	58.7	59.2	59.7	60.2	60.8	61.3	61.8	62.3
7	57.3	57.9	58.4	58.9	59.4	59.9	60.5	61.0	61.5	62.0
8	57.1	57.6	58.1	58.6	59.1	59.7	60.2	60.7	61.2	61.7
9	56.8	57.3	57.8	58.3	58.9	59.4	59.9	60.4	60.9	61.4
2.10	56.5	57.0	57.5	58.1	58.6	59.1	59.6	60.1	60.6	61.1
1	56.2	56.8	57.3	57.8	58.3	58.8	59.3	59.8	60.3	60.9
2	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.1	60.6
3	55.7	56.2	56.7	57.2	57.7	58.3	58.8	59.3	59.8	60.3
4	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0
2.15	55.2	55.7	56.2	56.7	57.2	57.7	58.2	58.7	59.2	59.7
6	54.9	55.4	55.9	56.4	56.9	57.4	57.9	58.4	58.9	59.4
7	54.7	55.2	55.7	56.2	56.7	57.2	57.7	58.2	58.7	59.2
8	54.4	54.9	55.4	55.9	56.4	56.9	57.4	57.9	58.4	58.9
9	54.2	54.7	55.2	55.7	56.2	56.7	57.1	57.6	58.1	58.6
2.20	53.9	54.4	54.9	55.4	55.9	56.4	56.8	57.4	57.9	58.4
1	53.7	54.2	54.7	55.2	55.7	56.1	56.6	57.1	57.6	58.1
2	53.5	53.9	54.4	54.9	55.4	55.9	56.4	56.9	57.3	57.8
3	53.2	53.7	54.2	54.7	55.2	55.6	56.1	56.6	57.1	57.6
4	53.0	53.5	53.9	54.4	54.9	55.4	55.9	56.4	56.8	57.3
2.25	52.7	53.2	53.7	54.2	54.7	55.1	55.6	56.1	56.6	57.1
6	52.5	53.0	53.5	53.9	54.4	54.9	55.4	55.9	56.3	56.8
7	52.3	52.7	53.2	53.7	54.2	54.7	55.1	55.6	56.1	56.6
8	52.0	52.5	53.0	53.5	53.9	54.4	54.9	55.4	55.8	56.3
9	51.8	52.3	52.8	53.2	53.7	54.2	54.6	55.1	55.6	56.1
2.30	51.6	52.1	52.5	53.0	53.5	53.9	54.4	54.9	55.3	55.8
1	51.4	51.8	52.3	52.8	53.2	53.7	54.2	54.6	55.1	55.6
2	51.1	51.6	52.1	52.5	53.0	53.5	53.9	54.4	54.9	55.3
3	50.9	51.4	51.8	52.3	52.8	53.2	53.7	54.2	54.6	55.1
4	50.7	51.2	51.6	52.1	52.6	53.0	53.5	53.9	54.4	54.9
2.35	50.5	50.9	51.4	51.9	52.3	52.8	53.2	53.7	54.2	54.6
6	50.3	50.7	51.2	51.6	52.1	52.6	53.0	53.5	53.9	54.4
7	50.1	50.5	51.0	51.4	51.9	52.3	52.8	53.3	53.7	54.2
8	49.8	50.3	50.8	51.2	51.7	52.1	52.6	53.0	53.5	53.9
9	49.6	50.1	50.5	51.0	51.4	51.9	52.4	52.8	53.3	53.7
2.40	49.4	49.9	50.3	50.8	51.2	51.7	52.1	52.6	53.0	53.5
1	49.2	49.7	50.1	50.6	51.0	51.5	51.9	52.4	52.8	53.3
2	49.0	49.5	49.9	50.4	50.8	51.3	51.7	52.2	52.6	53.0
3	48.8	49.3	49.7	50.2	50.6	51.0	51.5	51.9	52.4	52.8
4	48.6	49.1	49.5	50.0	50.4	50.8	51.3	51.7	52.2	52.6
2.45	48.4	48.9	49.3	49.7	50.2	50.6	51.1	51.5	52.0	52.4
6	48.2	48.7	49.1	49.5	50.0	50.4	50.9	51.3	51.7	52.2
7	48.0	48.5	48.9	49.3	49.8	50.2	50.7	51.1	51.5	52.0
8	47.8	48.3	48.7	49.1	49.6	50.0	50.5	50.9	51.3	51.8
9	47.6	48.1	48.5	48.9	49.4	49.8	50.2	50.7	51.1	51.5

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 12.0 - 12.9

Beam weight	Beam reading 12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
.50	259.4	261.5	263.7	265.8	268.0	270.2	272.3	274.5	276.7	278.8
1	254.3	256.4	258.5	260.6	262.8	264.9	267.0	269.1	271.2	273.3
2	249.4	251.5	253.5	255.6	257.7	259.8	261.9	263.9	266.0	268.1
3	244.7	246.7	248.8	250.8	252.8	254.9	256.9	259.0	261.0	263.0
4	240.1	242.1	244.1	246.1	248.1	250.1	252.2	254.2	256.2	258.2
.55	235.8	237.7	239.7	241.7	243.6	245.6	247.6	249.5	251.5	253.5
6	231.6	233.5	235.4	237.3	239.3	241.2	243.1	245.1	247.0	248.9
7	227.5	229.4	231.3	233.2	235.1	237.0	238.9	240.8	242.7	244.6
8	223.6	225.4	227.3	229.2	231.0	232.9	234.8	236.6	238.5	240.3
9	219.8	221.6	223.4	225.3	227.1	228.9	230.8	232.6	234.4	236.3
.60	216.1	217.9	219.7	221.5	223.3	225.1	226.9	228.7	230.5	232.3
1	212.6	214.3	216.1	217.9	219.7	221.4	223.2	225.0	226.7	228.5
2	209.1	210.9	212.6	214.4	216.1	217.9	219.6	221.3	223.1	224.8
3	205.8	207.5	209.2	211.0	212.7	214.4	216.1	217.8	219.5	221.3
4	202.6	204.3	206.0	207.7	209.4	211.0	212.7	214.4	216.1	217.8
.65	199.5	201.1	202.8	204.5	206.1	207.8	209.5	211.1	212.8	214.4
6	196.5	198.1	199.7	201.4	203.0	204.6	206.3	207.9	209.6	211.2
7	193.5	195.1	196.7	198.4	200.0	201.6	203.2	204.8	206.4	208.0
8	190.7	192.3	193.9	195.4	197.0	198.6	200.2	201.8	203.4	205.0
9	187.9	189.5	191.0	192.6	194.2	195.7	197.3	198.9	200.4	202.0
.70	185.2	186.8	188.3	189.9	191.4	192.9	194.5	196.0	197.6	199.1
1	182.6	184.1	185.7	187.2	188.7	190.2	191.7	193.3	194.8	196.3
2	180.1	181.6	183.1	184.6	186.1	187.6	189.1	190.6	192.1	193.6
3	177.6	179.1	180.6	182.0	183.5	185.0	186.5	188.0	189.5	190.9
4	175.2	176.7	178.1	179.6	181.0	182.5	184.0	185.4	186.9	188.4
.75	172.9	174.3	175.7	177.2	178.6	180.1	181.5	183.0	184.4	185.8
6	170.6	172.0	173.4	174.9	176.3	177.7	179.1	180.5	182.0	183.4
7	168.4	169.8	171.2	172.6	174.0	175.4	176.8	178.2	179.6	181.0
8	166.2	167.6	169.0	170.4	171.8	173.1	174.5	175.9	177.3	178.7
9	164.1	165.5	166.8	168.2	169.6	170.9	172.3	173.7	175.1	176.4
.80	162.1	163.4	164.8	166.1	167.5	168.8	170.2	171.5	172.9	174.2
1	160.1	161.4	162.7	164.1	165.4	166.7	168.1	169.4	170.7	172.1
2	158.1	159.4	160.7	162.1	163.4	164.7	166.0	167.3	168.6	170.0
3	156.2	157.5	158.8	160.1	161.4	162.7	164.0	165.3	166.6	167.9
4	154.3	155.6	156.9	158.2	159.5	160.8	162.1	163.3	164.6	165.9
.85	152.5	153.8	155.1	156.3	157.6	158.9	160.1	161.4	162.7	164.0
6	150.7	152.0	153.3	154.5	155.8	157.0	158.3	159.5	160.8	162.1
7	149.0	150.2	151.5	152.7	154.0	155.2	156.5	157.7	158.9	160.2
8	147.3	148.5	149.8	151.0	152.2	153.5	154.7	155.9	157.1	158.4
9	145.7	146.9	148.1	149.3	150.5	151.7	152.9	154.2	155.4	156.6
.90	144.0	145.2	146.4	147.6	148.8	150.0	151.2	152.4	153.6	154.8
1	142.5	143.6	144.8	146.0	147.2	148.4	149.6	150.8	152.0	153.1
2	140.9	142.1	143.3	144.4	145.6	146.8	148.0	149.1	150.3	151.5
3	139.4	140.5	141.7	142.9	144.0	145.2	146.4	147.5	148.7	149.8
4	137.9	139.1	140.2	141.4	142.5	143.7	144.8	146.0	147.1	148.3
.95	136.4	137.6	138.7	139.9	141.0	142.1	143.3	144.4	145.5	146.7
6	135.0	136.2	137.3	138.4	139.5	140.7	141.8	142.9	144.0	145.2
7	133.6	134.7	135.9	137.0	138.1	139.2	140.3	141.4	142.5	143.7
8	132.3	133.4	134.5	135.6	136.7	137.8	138.9	140.0	141.1	142.2
9	130.9	132.0	133.1	134.2	135.3	136.4	137.5	138.6	139.7	140.8

Beam weight	Beam reading 12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
1.00	129.6	130.7	131.8	132.9	133.9	135.0	136.1	137.2	138.3	139.3
1	128.3	129.4	130.5	131.5	132.6	133.7	134.8	135.8	136.9	138.0
2	127.1	128.1	129.2	130.3	131.3	132.4	133.4	134.5	135.6	136.6
3	125.8	126.9	127.9	129.0	130.0	131.1	132.1	133.2	134.2	135.3
4	124.6	125.7	126.7	127.7	128.8	129.8	130.9	131.9	132.9	134.0
1.05	123.4	124.5	125.5	126.5	127.6	128.6	129.6	130.6	131.7	132.7
6	122.3	123.3	124.3	125.3	126.4	127.4	128.4	129.4	130.4	131.5
7	121.1	122.1	123.2	124.2	125.2	126.2	127.2	128.2	129.2	130.2
8	120.0	121.0	122.0	123.0	124.0	125.0	126.0	127.0	128.0	129.0
9	118.9	119.9	120.9	121.9	122.9	123.9	124.9	125.9	126.8	127.8
1.10	117.8	118.8	119.8	120.8	121.8	122.7	123.7	124.7	125.7	126.7
1	116.8	117.7	118.7	119.7	120.7	121.6	122.6	123.6	124.6	125.5
2	115.7	116.7	117.6	118.6	119.6	120.5	121.5	122.5	123.4	124.4
3	114.7	115.7	116.6	117.6	118.5	119.5	120.4	121.4	122.3	123.3
4	113.7	114.6	115.6	116.5	117.5	118.4	119.4	120.3	121.3	122.2
1.15	112.7	113.6	114.6	115.5	116.5	117.4	118.3	119.3	120.2	121.2
6	111.7	112.7	113.6	114.5	115.5	116.4	117.3	118.2	119.2	120.1
7	110.8	111.7	112.6	113.5	114.5	115.4	116.3	117.2	118.2	119.1
8	109.8	110.7	111.7	112.6	113.5	114.4	115.3	116.2	117.2	118.1
9	108.9	109.8	110.7	111.6	112.5	113.4	114.4	115.3	116.2	117.1
1.20	108.0	108.9	109.8	110.7	111.6	112.5	113.4	114.3	115.2	116.1
1	107.1	108.0	108.9	109.8	110.7	111.6	112.5	113.4	114.3	115.1
2	106.2	107.1	108.0	108.9	109.8	110.7	111.5	112.4	113.3	114.2
3	105.4	106.2	107.1	108.0	108.9	109.8	110.6	111.5	112.4	113.3
4	104.5	105.4	106.3	107.1	108.0	108.9	109.7	110.6	111.5	112.4
1.25	103.7	104.5	105.4	106.3	107.1	108.0	108.9	109.7	110.6	111.5
6	102.8	103.7	104.6	105.4	106.3	107.1	108.0	108.9	109.7	110.6
7	102.0	102.9	103.7	104.6	105.4	106.3	107.1	108.0	108.8	109.7
8	101.2	102.1	102.9	103.8	104.6	105.5	106.3	107.2	108.0	108.8
9	100.5	101.3	102.1	103.0	103.8	104.6	105.5	106.3	107.2	108.0
1.30	99.7	100.5	101.3	102.2	103.0	103.8	104.7	105.5	106.3	107.2
1	98.9	99.7	100.6	101.4	102.2	103.0	103.9	104.7	105.5	106.3
2	98.2	99.0	99.8	100.6	101.4	102.3	103.1	103.9	104.7	105.5
3	97.4	98.2	99.1	99.9	100.7	101.5	102.3	103.1	103.9	104.7
4	96.7	97.5	98.3	99.1	99.9	100.7	101.5	102.3	103.2	104.0
1.35	96.0	96.8	97.6	98.4	99.2	100.0	100.8	101.6	102.4	103.2
6	95.3	96.1	96.9	97.7	98.5	99.3	100.0	100.8	101.6	102.4
7	94.6	95.4	96.2	96.9	97.7	98.5	99.3	100.1	100.9	101.7
8	93.9	94.7	95.5	96.2	97.0	97.8	98.6	99.4	100.2	100.9
9	93.2	94.0	94.8	95.6	96.3	97.1	97.9	98.7	99.4	100.2
1.40	92.6	93.3	94.1	94.9	95.6	96.4	97.2	98.0	98.7	99.5
1	91.9	92.7	93.4	94.2	95.0	95.7	96.5	97.3	98.0	98.8
2	91.2	92.0	92.8	93.5	94.3	95.1	95.8	96.6	97.3	98.1
3	90.6	91.4	92.1	92.9	93.6	94.4	95.1	95.9	96.7	97.4
4	90.0	90.7	91.5	92.2	93.0	93.7	94.5	95.2	96.0	96.7
1.45	89.4	90.1	90.8	91.6	92.3	93.1	93.8	94.6	95.3	96.1
6	88.7	89.5	90.2	91.0	91.7	92.4	93.2	93.9	94.7	95.4
7	88.1	88.9	89.6	90.3	91.1	91.8	92.6	93.3	94.0	94.8
8	87.5	88.3	89.0	89.7	90.5	91.2	91.9	92.7	93.4	94.1
9	87.0	87.7	88.4	89.1	89.9	90.6	91.3	92.0	92.8	93.5

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 12.0 - 12.9

Bundle weight	Beam reading 12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
1.50	86.4	87.1	87.8	88.5	89.3	90.0	90.7	91.4	92.1	92.9
1	85.8	86.5	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2
2	85.2	85.9	86.7	87.4	88.1	88.8	89.5	90.2	90.9	91.6
3	84.7	85.4	86.1	86.8	87.5	88.2	88.9	89.6	90.3	91.0
4	84.1	84.8	85.5	86.2	86.9	87.6	88.3	89.0	89.7	90.4
1.55	83.6	84.3	85.0	85.7	86.4	87.1	87.8	88.5	89.2	89.9
6	83.0	83.7	84.4	85.1	85.8	86.5	87.2	87.9	88.6	89.3
7	82.5	83.2	83.9	84.6	85.3	86.0	86.6	87.3	88.0	88.7
8	82.0	82.7	83.4	84.0	84.7	85.4	86.1	86.8	87.5	88.2
9	81.5	82.2	82.8	83.5	84.2	84.9	85.6	86.2	86.9	87.6
1.60	81.0	81.6	82.3	83.0	83.7	84.3	85.0	85.7	86.4	87.0
1	80.5	81.1	81.8	82.5	83.1	83.8	84.5	85.2	85.8	86.5
2	80.0	80.6	81.3	82.0	82.6	83.3	84.0	84.6	85.3	86.0
3	79.5	80.1	80.8	81.5	82.1	82.8	83.5	84.1	84.8	85.4
4	79.0	79.6	80.3	81.0	81.6	82.3	82.9	83.6	84.3	84.9
1.65	78.5	79.2	79.8	80.5	81.1	81.8	82.4	83.1	83.8	84.4
6	78.0	78.7	79.3	80.0	80.6	81.3	81.9	82.6	83.2	83.9
7	77.6	78.2	78.9	79.5	80.2	80.8	81.5	82.1	82.7	83.4
8	77.1	77.7	78.4	79.0	79.7	80.3	81.0	81.6	82.3	82.9
9	76.6	77.3	77.9	78.6	79.2	79.8	80.5	81.1	81.8	82.4
1.70	76.2	76.8	77.5	78.1	78.7	79.4	80.0	80.6	81.3	81.9
1	75.8	76.4	77.0	77.6	78.3	78.9	79.5	80.2	80.8	81.4
2	75.3	75.9	76.6	77.2	77.8	78.5	79.1	79.7	80.3	81.0
3	74.9	75.5	76.1	76.7	77.4	78.0	78.6	79.2	79.9	80.5
4	74.4	75.1	75.7	76.3	76.9	77.5	78.2	78.8	79.4	80.0
1.75	74.0	74.6	75.3	75.9	76.5	77.1	77.7	78.3	79.0	79.6
6	73.6	74.2	74.8	75.4	76.1	76.7	77.3	77.9	78.5	79.1
7	73.2	73.8	74.4	75.0	75.6	76.2	76.8	77.5	78.1	78.7
8	72.8	73.4	74.0	74.6	75.2	75.8	76.4	77.0	77.6	78.2
9	72.4	73.0	73.6	74.2	74.8	75.4	76.0	76.6	77.2	77.8
1.80	72.0	72.6	73.2	73.8	74.4	75.0	75.6	76.2	76.8	77.4
1	71.6	72.2	72.8	73.4	73.9	74.5	75.1	75.7	76.3	76.9
2	71.2	71.8	72.4	72.9	73.5	74.1	74.7	75.3	75.9	76.5
3	70.9	71.4	72.0	72.5	73.1	73.7	74.3	74.9	75.5	76.1
4	70.4	71.0	71.6	72.2	72.8	73.3	73.9	74.5	75.1	75.7
1.85	70.0	70.6	71.2	71.8	72.3	72.9	73.5	74.1	74.7	75.3
6	69.6	70.2	70.8	71.4	72.0	72.5	73.1	73.7	74.3	74.9
7	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.9	74.5
8	68.9	69.5	70.0	70.6	71.2	71.8	72.3	72.9	73.5	74.1
9	68.5	69.1	69.7	70.2	70.8	71.4	72.0	72.5	73.1	73.7
1.90	68.2	68.7	69.3	69.9	70.4	71.0	71.6	72.1	72.7	73.3
1	67.8	68.4	68.9	69.5	70.1	70.6	71.2	71.8	72.3	72.9
2	67.5	68.0	68.6	69.1	69.7	70.3	70.8	71.4	72.0	72.5
3	67.1	67.7	68.2	68.8	69.3	69.9	70.5	71.0	71.6	72.1
4	66.8	67.3	67.9	68.4	69.0	69.5	70.1	70.7	71.2	71.8
1.95	66.4	67.0	67.5	68.1	68.6	69.2	69.7	70.3	70.8	71.4
6	66.1	66.6	67.2	67.7	68.3	68.8	69.4	69.9	70.5	71.0
7	65.7	66.3	66.8	67.4	67.9	68.5	69.0	69.6	70.1	70.7
8	65.4	66.0	66.5	67.0	67.6	68.1	68.7	69.2	69.8	70.3
9	65.1	65.6	66.2	66.7	67.2	67.8	68.3	68.9	69.4	70.0

Bundle weight	Beam reading 12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
2.00	64.7	65.3	65.8	66.4	66.9	67.5	68.0	68.5	69.1	69.6
1	64.4	65.0	65.5	66.0	66.7	67.1	67.7	68.2	68.7	69.3
2	64.1	64.6	65.2	65.7	66.2	66.8	67.3	67.9	68.4	68.9
3	63.8	64.3	64.9	65.4	65.9	66.5	67.0	67.5	68.1	68.6
4	63.5	64.0	64.5	65.1	65.6	66.1	66.7	67.2	67.7	68.2
2.05	63.2	63.7	64.2	64.7	65.3	65.8	66.3	66.9	67.4	67.9
6	62.9	63.4	63.9	64.4	65.0	65.5	66.0	66.5	67.1	67.6
7	62.6	63.1	63.6	64.1	64.6	65.2	65.7	66.2	66.7	67.3
8	62.3	62.8	63.3	63.8	64.3	64.9	65.4	65.9	66.4	66.9
9	62.0	62.5	63.0	63.5	64.0	64.5	65.1	65.6	66.1	66.6
2.10	61.7	62.2	62.7	63.2	63.7	64.2	64.7	65.3	65.8	66.3
1	61.4	61.9	62.4	62.9	63.4	63.9	64.4	65.0	65.5	66.0
2	61.1	61.6	62.1	62.6	63.1	63.6	64.1	64.6	65.2	65.7
3	60.8	61.3	61.8	62.3	62.8	63.3	63.8	64.3	64.9	65.4
4	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.1
2.15	60.2	60.7	61.2	61.7	62.2	62.7	63.2	63.7	64.2	64.7
6	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4	63.9	64.4
7	59.7	60.2	60.7	61.2	61.7	62.2	62.7	63.2	63.7	64.2
8	59.4	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4	63.9
9	59.1	59.6	60.1	60.6	61.1	61.6	62.1	62.6	63.1	63.6
2.20	58.9	59.3	59.8	60.3	60.8	61.3	61.8	62.3	62.8	63.3
1	58.6	59.1	59.6	60.1	60.5	61.0	61.5	62.0	62.5	63.0
2	58.3	58.8	59.3	59.8	60.3	60.8	61.2	61.7	62.2	62.7
3	58.1	58.5	59.0	59.5	60.0	60.5	61.0	61.5	61.9	62.4
4	57.8	58.3	58.8	59.2	59.7	60.2	60.7	61.2	61.7	62.1
2.25	57.5	58.0	58.5	59.0	59.5	59.9	60.4	60.9	61.4	61.9
6	57.3	57.8	58.2	58.7	59.2	59.7	60.2	60.6	61.1	61.6
7	57.0	57.5	58.0	58.5	58.9	59.4	59.9	60.4	60.8	61.3
8	56.8	57.3	57.7	58.2	58.7	59.2	59.6	60.1	60.6	61.1
9	56.5	57.0	57.5	58.0	58.4	58.9	59.4	59.8	60.3	60.8
2.30	56.3	56.8	57.2	57.7	58.2	58.6	59.1	59.6	60.0	60.5
1	56.0	56.5	57.0	57.4	57.9	58.4	58.9	59.3	59.8	60.3
2	55.8	56.3	56.7	57.2	57.7	58.1	58.6	59.1	59.5	60.0
3	55.6	56.0	56.5	57.0	57.4	57.9	58.3	58.8	59.3	59.7
4	55.3	55.8	56.2	56.7	57.2	57.6	58.1	58.6	59.0	59.5
2.35	55.1	55.5	56.0	56.5	56.9	57.4	57.8	58.3	58.8	59.2
6	54.9	55.3	55.8	56.2	56.7	57.1	57.6	58.1	58.5	59.0
7	54.6	55.1	55.5	56.0	56.4	56.9	57.4	57.8	58.3	58.7
8	54.4	54.8	55.3	55.8	56.2	56.7	57.1	57.6	58.0	58.5
9	54.2	54.6	55.1	55.5	56.0	56.4	56.9	57.3	57.8	58.2
2.40	53.9	54.4	54.8	55.3	55.7	56.2	56.6	57.1	57.5	58.0
1	53.7	54.2	54.6	55.1	55.5	56.0	56.4	56.9	57.3	57.8
2	53.5	53.9	54.4	54.8	55.3	55.7	56.2	56.6	57.1	57.5
3	53.3	53.7	54.2	54.6	55.1	55.5	55.9	56.4	56.8	57.3
4	53.1	53.5	53.9	54.4	54.8	55.3	55.7	56.2	56.6	57.0
2.45	52.8	53.3	53.7	54.2	54.6	55.0	55.5	55.9	56.4	56.8
6	52.6	53.1	53.5	53.9	54.4	54.8	55.3	55.7	56.1	56.6
7	52.4	52.8	53.3	53.7	54.2	54.6	55.0	55.5	55.9	56.3
8	52.2	52.6	53.1	53.5	53.9	54.4	54.8	55.2	55.7	56.1
9	52.0	52.4	52.9	53.3	53.7	54.2	54.6	55.0	55.5	55.9

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 13.0 - 13.9

Bundle weight	Beam reading 13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
1.00	140.4	141.5	142.6	143.7	144.8	145.8	146.9	148.0	149.1	150.2
1	139.0	140.1	141.2	142.3	143.3	144.4	145.5	146.5	147.6	148.7
2	137.7	138.7	139.8	140.9	141.9	143.0	144.0	145.1	146.2	147.2
3	136.3	137.4	138.4	139.5	140.5	141.6	142.6	143.7	144.7	145.8
4	135.0	136.1	137.1	138.1	139.2	140.2	141.3	142.3	143.3	144.4
1.05	133.7	134.8	135.8	136.8	137.9	138.9	139.9	140.9	142.0	143.0
6	132.5	133.5	134.5	135.5	136.6	137.6	138.6	139.6	140.6	141.7
7	131.2	132.2	133.3	134.3	135.3	136.3	137.3	138.3	139.3	140.3
8	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0
9	128.8	129.8	130.8	131.8	132.8	133.8	134.8	135.8	136.8	137.8
1.10	127.7	128.6	129.6	130.6	131.6	132.6	133.6	134.5	135.5	136.5
1	126.5	127.5	128.5	129.4	130.4	131.4	132.3	133.3	134.3	135.3
2	125.4	126.3	127.3	128.3	129.2	130.2	131.2	132.1	133.1	134.1
3	124.3	125.2	126.2	127.1	128.1	129.0	130.0	131.0	131.9	132.9
4	123.2	124.1	125.1	126.1	127.0	127.9	128.9	129.8	130.8	131.7
1.15	122.1	123.0	124.0	124.9	125.9	126.8	127.7	128.7	129.6	130.6
6	121.0	122.0	122.9	123.8	124.8	125.7	126.6	127.6	128.5	129.4
7	120.0	120.9	121.9	122.8	123.7	124.6	125.6	126.5	127.4	128.3
8	119.0	119.9	120.8	121.7	122.7	123.6	124.5	125.4	126.3	127.2
9	118.0	118.9	119.8	120.7	121.6	122.5	123.4	124.3	125.3	126.2
1.20	117.0	117.9	118.8	119.7	120.6	121.5	122.4	123.3	124.2	125.1
1	116.0	116.9	117.8	118.7	119.6	120.5	121.4	122.3	123.2	124.1
2	115.1	116.0	116.9	117.7	118.6	119.5	120.4	121.3	122.2	123.1
3	114.1	115.0	115.9	116.8	117.7	118.5	119.4	120.3	121.2	122.1
4	113.2	114.1	115.0	115.8	116.7	117.6	118.5	119.3	120.2	121.1
1.25	112.3	113.2	114.1	114.9	115.8	116.6	117.5	118.4	119.2	120.1
6	111.4	112.3	113.1	114.0	114.9	115.7	116.6	117.4	118.3	119.2
7	110.5	111.4	112.3	113.1	114.0	114.8	115.7	116.5	117.4	118.2
8	109.7	110.5	111.4	112.2	113.1	113.9	114.8	115.6	116.4	117.3
9	108.8	109.7	110.5	111.3	112.2	113.0	113.9	114.7	115.5	116.4
1.30	108.0	108.8	109.7	110.5	111.3	112.2	113.0	113.8	114.6	115.5
1	107.2	108.0	108.8	109.6	110.5	111.3	112.1	112.9	113.8	114.6
2	106.4	107.2	108.0	108.8	109.6	110.5	111.3	112.1	112.9	113.7
3	105.6	106.4	107.2	108.0	108.8	109.6	110.4	111.2	112.1	112.9
4	104.8	105.6	106.4	107.2	108.0	108.8	109.6	110.4	111.2	112.0
1.35	104.0	104.8	105.6	106.4	107.2	108.0	108.8	109.6	110.4	111.2
6	103.2	104.0	104.8	105.6	106.4	107.2	108.0	108.8	109.6	110.4
7	102.5	103.3	104.1	104.8	105.6	106.4	107.2	108.0	108.8	109.6
8	101.7	102.5	103.3	104.1	104.9	105.6	106.4	107.2	108.0	108.8
9	101.0	101.8	102.6	103.3	104.1	104.9	105.7	106.4	107.2	108.0
1.40	100.3	101.0	101.8	102.6	103.4	104.1	104.9	105.7	106.5	107.2
1	99.6	100.3	101.1	101.9	102.6	103.4	104.2	104.9	105.7	106.5
2	98.9	99.6	100.4	101.1	101.9	102.7	103.4	104.2	105.0	105.7
3	98.2	98.9	99.7	100.4	101.2	101.9	102.7	103.5	104.2	105.0
4	97.5	98.2	99.0	99.7	100.5	101.2	102.0	102.7	103.5	104.2
1.45	96.8	97.6	98.3	99.0	99.8	100.5	101.3	102.0	102.8	103.5
6	96.1	96.9	97.6	98.4	99.1	99.9	100.6	101.3	102.1	102.8
7	95.5	96.2	97.0	97.7	98.4	99.2	99.9	100.6	101.4	102.1
8	94.8	95.6	96.3	97.0	97.8	98.5	99.2	100.0	100.7	101.4
9	94.2	94.9	95.7	96.4	97.1	97.8	98.6	99.3	100.0	100.7

Bundle weight	Beam reading 13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
1.50	93.6	94.3	95.0	95.7	96.5	97.2	97.9	98.6	99.3	100.1
1	93.0	93.7	94.4	95.1	95.8	96.5	97.3	98.0	98.7	99.4
2	92.3	93.1	93.8	94.5	95.2	95.9	96.6	97.3	98.0	98.7
3	91.7	92.4	93.2	93.9	94.6	95.3	96.0	96.7	97.4	98.1
4	91.1	91.8	92.6	93.3	94.0	94.7	95.4	96.1	96.8	97.5
1.55	90.6	91.3	92.0	92.7	93.3	94.0	94.7	95.4	96.1	96.8
6	90.0	90.7	91.4	92.1	92.7	93.4	94.1	94.8	95.5	96.2
7	89.4	90.1	90.8	91.5	92.2	92.8	93.5	94.2	94.9	95.6
8	88.8	89.5	90.2	90.9	91.6	92.3	92.9	93.6	94.3	95.0
9	88.3	89.0	89.6	90.3	91.0	91.7	92.4	93.0	93.7	94.4
1.60	87.7	88.4	89.1	89.8	90.4	91.1	91.8	92.5	93.1	93.8
1	87.2	87.9	88.5	89.2	89.9	90.5	91.2	91.9	92.6	93.2
2	86.6	87.3	88.0	88.6	89.3	90.0	90.6	91.3	92.0	92.6
3	86.1	86.8	87.4	88.1	88.8	89.4	90.1	90.8	91.4	92.1
4	85.6	86.2	86.9	87.6	88.2	88.9	89.5	90.2	90.9	91.5
1.65	85.1	85.7	86.4	87.0	87.7	88.3	89.0	89.6	90.3	91.0
6	84.5	85.2	85.9	86.5	87.2	87.8	88.5	89.1	89.8	90.4
7	84.0	84.7	85.3	86.0	86.6	87.3	87.9	88.6	89.2	89.9
8	83.5	84.2	84.8	85.5	86.1	86.8	87.4	88.0	88.7	89.3
9	83.0	83.7	84.3	85.0	85.6	86.2	86.8	87.5	88.1	88.8
1.70	82.6	83.2	83.8	84.5	85.1	85.7	86.4	87.0	87.6	88.3
1	82.1	82.7	83.3	84.0	84.6	85.2	85.9	86.5	87.1	87.8
2	81.6	82.2	82.9	83.5	84.1	84.7	85.4	86.0	86.6	87.3
3	81.1	81.7	82.4	83.0	83.6	84.2	84.9	85.5	86.1	86.7
4	80.7	81.3	81.9	82.5	83.1	83.8	84.4	85.0	85.6	86.2
1.75	80.2	80.8	81.4	82.0	82.7	83.3	83.9	84.5	85.1	85.8
6	79.7	80.4	81.0	81.6	82.2	82.8	83.4	84.0	84.7	85.3
7	79.3	79.9	80.5	81.1	81.7	82.3	83.0	83.6	84.2	84.8
8	78.8	79.4	80.1	80.7	81.3	81.9	82.5	83.1	83.7	84.3
9	78.4	79.0	79.6	80.2	80.8	81.4	82.0	82.6	83.2	83.8
1.80	78.0	78.6	79.2	79.8	80.4	81.0	81.6	82.2	82.8	83.4
1	77.5	78.1	78.7	79.3	79.9	80.5	81.1	81.7	82.3	82.9
2	77.1	77.7	78.3	78.9	79.5	80.1	80.7	81.3	81.9	92.5
3	76.7	77.3	77.9	78.5	79.0	79.6	80.2	80.8	81.4	82.0
4	76.3	76.9	77.4	78.0	78.6	79.2	79.8	80.4	81.0	81.6
1.85	75.9	76.4	77.0	77.6	78.2	78.8	79.4	79.9	80.5	81.1
6	75.4	76.0	76.6	77.2	77.8	78.4	78.9	79.5	80.1	80.7
7	75.0	75.6	76.2	76.8	77.4	77.9	78.5	79.1	79.7	80.2
8	74.6	75.2	75.8	76.4	76.9	77.5	78.1	78.7	79.2	79.8
9	74.2	74.8	75.4	76.0	76.5	77.1	77.7	78.2	78.8	79.4
1.90	73.9	74.4	75.0	75.6	76.1	76.7	77.3	77.8	78.4	79.0
1	73.5	74.0	74.6	75.2	75.7	76.3	76.9	77.4	78.0	78.6
2	73.1	73.6	74.2	74.7	75.3	75.9	76.5	77.0	77.6	78.2
3	72.7	73.3	73.8	74.4	74.9	75.5	76.1	76.6	77.2	77.7
4	72.3	72.9	73.4	74.0	74.6	75.1	75.7	76.2	76.8	77.3
1.95	72.0	72.5	73.1	73.6	74.2	74.7	75.3	75.8	76.4	76.9
6	71.6	72.1	72.7	73.2	73.8	74.3	74.9	75.5	76.0	76.6
7	71.2	71.8	72.3	72.9	73.4	74.0	74.5	75.1	75.6	76.2
8	70.9	71.4	72.0	72.5	73.0	73.6	74.1	74.7	75.2	75.8
9	70.5	71.1	71.6	72.1	72.7	73.2	73.8	74.3	74.9	75.4

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 13.0 - 13.9

Bundle weight	Beam Reading 13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
2.00	70.2	70.7	71.2	71.8	72.3	72.9	73.4	73.9	74.5	75.0
1	69.8	70.3	70.9	71.4	72.0	72.5	73.0	73.6	74.1	74.6
2	69.5	70.0	70.5	71.1	71.6	72.1	72.7	73.2	73.7	74.3
3	69.1	69.6	70.2	70.7	71.2	71.8	72.3	72.8	73.4	73.9
4	68.8	69.3	69.8	70.4	70.9	71.4	72.0	72.5	73.0	73.5
2.05	68.4	69.0	69.5	70.0	70.6	71.1	71.6	72.1	72.7	73.2
6	68.1	68.6	69.2	69.7	70.2	70.7	71.3	71.8	72.3	72.8
7	67.8	68.3	68.8	69.3	69.9	70.4	70.9	71.4	72.0	72.5
8	67.5	68.0	68.5	69.0	69.5	70.1	70.6	71.1	71.6	72.1
9	67.1	67.6	68.2	68.7	69.2	69.7	70.2	70.8	71.3	71.8
2.10	66.8	67.3	67.8	68.4	68.9	69.4	69.9	70.4	70.9	71.4
1	66.5	67.0	67.5	68.0	68.5	69.1	69.6	70.1	70.6	71.1
2	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.3	70.8
3	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
4	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1
2.15	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8
6	64.9	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5
7	64.6	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1
8	64.4	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8
9	64.1	64.6	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5
2.20	63.8	64.3	64.7	65.2	65.7	66.2	66.7	67.2	67.7	68.2
1	63.5	64.0	64.5	64.9	65.4	65.9	66.4	66.9	67.4	67.9
2	63.2	63.7	64.2	64.7	65.1	65.6	66.1	66.6	67.1	67.6
3	62.9	63.4	63.9	64.4	64.8	65.3	65.8	66.3	66.8	67.3
4	62.6	63.1	63.6	64.1	64.6	65.0	65.5	66.0	66.5	67.0
2.25	62.3	62.8	63.3	63.8	64.3	64.7	65.2	65.7	66.2	66.7
6	62.1	62.5	63.0	63.5	64.0	64.5	64.9	65.4	65.9	66.4
7	61.8	62.3	62.7	63.2	63.7	64.2	64.7	65.1	65.6	66.1
8	61.5	62.0	62.5	62.9	63.4	63.9	64.4	64.8	65.3	65.8
9	61.3	61.7	62.2	62.7	63.1	63.6	64.1	64.6	65.0	65.5
2.30	61.0	61.5	61.9	62.4	62.9	63.3	63.8	64.3	64.7	65.2
1	60.7	61.2	61.7	62.1	62.6	63.1	63.5	64.0	64.5	64.9
2	60.5	60.9	61.4	61.9	62.3	62.8	63.3	63.7	64.2	64.7
3	60.2	60.7	61.1	61.6	62.1	62.5	63.0	63.5	63.9	64.4
4	59.9	60.4	60.9	61.3	61.8	62.3	62.7	63.2	63.6	64.1
2.35	59.7	60.1	60.6	61.1	61.5	62.0	62.4	62.9	63.4	63.8
6	59.4	59.9	60.4	60.8	61.3	61.7	62.2	62.6	63.1	63.6
7	59.2	59.6	60.1	60.6	61.0	61.5	61.9	62.4	62.8	63.3
8	58.9	59.4	59.8	60.3	60.8	61.2	61.7	62.1	62.6	63.0
9	58.7	59.1	59.6	60.0	60.5	60.9	61.4	61.9	62.3	62.8
2.40	58.4	58.9	59.3	59.8	60.2	60.7	61.1	61.6	62.0	62.5
1	58.2	58.6	59.1	59.5	60.0	60.4	60.9	61.3	61.8	62.2
2	58.0	58.4	58.9	59.3	59.7	60.2	60.6	61.1	61.5	62.0
3	57.7	58.2	58.6	59.1	59.5	59.9	60.4	60.8	61.3	61.7
4	57.5	57.9	58.4	58.8	59.3	59.7	60.1	60.6	61.0	61.5
2.45	57.2	57.7	58.1	58.6	59.0	59.5	59.9	60.3	60.8	61.2
6	57.0	57.5	57.9	58.3	58.8	59.2	59.7	60.1	60.5	61.0
7	56.8	57.2	57.7	58.1	58.5	59.0	59.4	59.8	60.3	60.7
8	56.5	57.0	57.4	57.9	58.3	58.7	59.2	59.5	60.0	60.5
9	56.3	56.8	57.2	57.6	58.1	58.5	58.9	59.4	59.8	60.2

Bundle weight	Beam Reading 13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
2.50	56.1	56.5	57.0	57.4	57.8	58.3	58.7	59.1	59.6	60.0
1	55.9	56.3	56.7	57.2	57.6	58.0	58.5	58.9	59.3	59.8
2	55.7	56.1	56.5	56.9	57.4	57.8	58.2	58.7	59.1	59.5
3	55.4	55.9	56.3	56.7	57.1	57.6	58.0	58.4	58.9	59.3
4	55.2	55.6	56.1	56.5	56.9	57.3	57.8	58.2	58.6	59.0
2.55	55.0	55.4	55.8	56.3	56.7	57.1	57.5	58.0	58.4	58.8
6	54.8	55.2	55.6	56.0	56.5	56.9	57.3	57.7	58.2	58.6
7	54.6	55.0	55.4	55.8	56.3	56.7	57.1	57.5	58.0	58.4
8	54.4	54.8	55.2	55.6	56.0	56.5	56.9	57.3	57.7	58.1
9	54.1	54.6	55.0	55.4	55.8	56.2	56.7	57.1	57.5	57.9
2.60	53.9	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.3	57.7
1	53.7	54.1	54.6	55.0	55.4	55.8	56.2	56.6	57.0	57.5
2	53.5	53.9	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.2
3	53.3	53.7	54.1	54.6	55.0	55.4	55.8	56.2	56.6	57.0
4	53.1	53.5	53.9	54.3	54.8	55.2	55.6	56.0	56.4	56.8
2.65	52.9	53.3	53.7	54.1	54.5	55.0	55.4	55.8	56.2	56.6
6	52.7	53.1	53.5	53.9	54.3	54.8	55.2	55.6	56.0	56.4
7	52.5	52.9	53.3	53.7	54.1	54.5	55.0	55.4	55.8	56.2
8	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.6	56.0
9	52.1	52.5	52.9	53.3	53.7	54.1	54.5	54.9	55.3	55.7
2.70	51.9	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.5
1	51.7	52.1	52.5	52.9	53.3	53.7	54.1	54.5	54.9	55.3
2	51.6	52.0	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1
3	51.4	51.8	52.2	52.6	52.9	53.3	53.7	54.1	54.5	54.9
4	51.2	51.6	52.0	52.4	52.8	53.1	53.5	53.9	54.3	54.7
2.75	51.0	51.4	51.8	52.2	52.6	53.0	53.3	53.7	54.1	54.5
6	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.5	53.9	54.3
7	50.6	51.0	51.4	51.8	52.2	52.6	53.0	53.4	53.7	54.1
8	50.4	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.5	53.9
9	50.3	50.6	51.0	51.4	51.8	52.2	52.6	53.0	53.4	53.7
2.80	50.1	50.5	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.6
1	49.9	50.3	50.7	51.1	51.4	51.8	52.2	52.6	53.0	53.4
2	49.7	50.1	50.5	50.9	51.3	51.6	52.0	52.4	52.8	53.2
3	49.5	49.9	50.3	50.7	51.1	51.5	51.8	52.2	52.6	53.0
4	49.4	49.8	50.1	50.5	50.9	51.3	51.7	52.0	52.4	52.8
2.85	49.2	49.6	50.0	50.3	50.7	51.1	51.5	51.9	52.2	52.6
6	49.0	49.4	49.8	50.2	50.5	50.9	51.3	51.7	52.0	52.4
7	49.0	49.2	49.6	50.0	50.4	50.7	51.1	51.5	51.9	52.2
8	48.7	49.1	49.4	49.8	50.2	50.6	50.9	51.3	51.7	52.1
9	48.5	48.9	49.3	49.6	50.0	50.4	50.8	51.1	51.5	51.9
2.90	48.3	48.7	49.1	49.5	49.8	50.2	50.6	51.0	51.3	51.7
1	48.2	48.6	48.9	49.3	49.7	50.0	50.4	50.8	51.2	51.5
2	48.0	48.4	48.8	49.1	49.5	49.9	50.2	50.6	51.0	51.3
3	47.8	48.2	48.6	49.0	49.3	49.7	50.1	50.4	50.8	51.2
4	47.7	48.1	48.4	48.8	49.2	49.5	49.9	50.3	50.6	51.0
2.95	47.5	47.9	48.3	48.6	49.0	49.4	49.7	50.1	50.5	50.8
6	47.4	47.7	48.1	48.5	48.8	49.2	49.6	49.9	50.3	50.7
7	47.2	47.6	47.9	48.3	48.7	49.0	49.4	49.8	50.1	50.5
8	47.0	47.4	47.8	48.1	48.5	48.9	49.2	49.6	49.9	50.3
9	46.9	47.2	47.6	48.0	48.3	48.7	49.1	49.4	49.8	50.1

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 14.0 - 14.9

Bundle	Beam reading									
weight	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
1.00	151.2	152.3	153.4	154.5	155.6	156.6	157.7	158.8	159.9	161.0
1	149.7	150.8	151.9	153.0	154.0	155.1	156.2	157.2	158.3	159.4
2	148.3	149.3	150.4	151.5	152.5	153.6	154.6	155.7	156.8	157.8
3	146.8	147.9	148.9	150.0	151.0	152.1	153.1	154.2	155.2	156.3
4	145.4	146.5	147.5	148.5	149.6	150.6	151.7	152.7	153.7	154.8
1.05	144.0	145.1	146.1	147.1	148.2	149.2	150.2	151.2	152.3	153.3
6	142.7	143.7	144.7	145.7	146.8	147.8	148.8	149.8	150.8	151.9
7	141.3	142.4	143.4	144.4	145.4	146.4	147.4	148.4	149.4	150.4
8	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.0	148.0	149.0
9	138.7	139.7	140.7	141.7	142.7	143.7	144.7	145.7	146.7	147.7
1.10	137.5	138.5	139.4	140.4	141.4	142.4	143.4	144.4	145.3	146.3
1	136.2	137.2	138.2	139.2	140.1	141.1	142.1	143.1	144.0	145.0
2	135.0	136.0	137.0	137.9	138.9	139.9	140.8	141.8	142.7	143.7
3	133.8	134.8	135.7	136.7	137.7	138.6	139.6	140.5	141.5	142.4
4	132.7	133.6	134.6	135.5	136.4	137.4	138.3	139.3	140.2	141.2
1.15	131.5	132.4	133.4	134.3	135.3	136.2	137.1	138.1	139.0	140.0
6	130.4	131.3	132.2	133.2	134.1	135.0	136.0	136.9	137.8	138.8
7	129.2	130.2	131.1	132.0	132.9	133.9	134.8	135.7	136.6	137.6
8	128.2	129.1	130.0	130.9	131.8	132.7	133.7	134.6	135.5	136.4
9	127.1	128.0	128.9	129.8	130.7	131.6	132.5	133.4	134.3	135.3
1.20	126.0	126.9	127.8	128.7	129.6	130.5	131.4	132.3	133.2	134.1
1	125.0	125.9	126.8	127.7	128.5	129.4	130.3	131.2	132.1	133.0
2	123.9	124.8	125.7	126.6	127.5	128.4	129.3	130.2	131.0	131.9
3	122.9	123.8	124.7	125.6	126.5	127.3	128.2	129.1	130.0	130.8
4	121.9	122.8	123.7	124.6	125.4	126.3	127.2	128.0	128.9	129.8
1.25	121.0	121.8	122.7	123.6	124.4	125.3	126.2	127.0	127.9	128.8
6	120.0	120.9	121.7	122.6	123.4	124.3	125.2	126.0	126.9	127.7
7	119.1	119.9	120.8	121.6	122.5	123.3	124.2	125.0	125.9	126.7
8	118.1	119.0	119.8	120.7	121.5	122.4	123.2	124.0	124.9	125.7
9	117.2	118.1	118.9	119.7	120.6	121.4	122.2	123.1	123.9	124.8
1.30	116.3	117.1	118.0	118.8	119.6	120.5	121.3	122.1	123.0	123.8
1	115.4	116.2	117.1	117.9	118.7	119.6	120.4	121.2	122.0	122.9
2	114.5	115.4	116.2	117.0	117.8	118.6	119.5	120.3	121.1	121.9
3	113.7	114.5	115.3	116.1	116.9	117.8	118.6	119.4	120.2	121.0
4	112.8	113.6	114.5	115.3	116.1	116.9	117.7	118.5	119.3	120.1
1.35	112.0	112.8	113.6	114.4	115.2	116.0	116.8	117.6	118.4	119.2
6	111.2	112.0	112.8	113.6	114.4	115.2	115.9	116.7	117.5	118.3
7	110.4	111.2	111.9	112.7	113.5	114.3	115.1	115.9	116.7	117.5
8	109.6	110.3	111.1	111.9	112.7	113.5	114.3	115.0	115.8	116.6
9	108.8	109.6	110.3	111.1	111.9	112.7	113.4	114.2	115.0	115.8
1.40	108.0	108.8	109.5	110.3	111.1	111.9	112.6	113.4	114.2	114.9
1	107.2	108.0	108.8	109.5	110.3	111.1	111.8	112.6	113.4	114.1
2	106.5	107.2	108.0	108.8	109.5	110.3	111.0	111.8	112.6	113.3
3	105.7	106.5	107.2	108.0	108.8	109.5	110.3	111.0	111.8	112.5
4	105.0	105.7	106.5	107.2	108.0	108.7	109.5	110.2	111.0	111.8
1.45	104.3	105.0	105.8	106.5	107.3	108.0	108.7	109.5	110.2	111.0
6	103.6	104.3	105.0	105.8	106.5	107.3	108.0	108.7	109.5	110.2
7	102.8	103.6	104.3	105.1	105.8	106.5	107.3	108.0	108.7	109.5
8	102.2	102.9	103.6	104.3	105.1	105.8	106.5	107.3	108.0	108.7
9	101.5	102.2	102.9	103.6	104.4	105.1	105.8	106.5	107.3	108.0

Bundle	Beam reading									
weight	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
1.50	100.8	101.5	102.2	103.0	103.7	104.4	105.1	105.8	106.6	107.3
1	100.1	100.8	101.6	102.3	103.0	103.7	104.4	105.1	105.8	106.6
2	99.5	100.2	100.9	101.6	102.3	103.0	103.7	104.4	105.2	105.9
3	98.8	99.5	100.2	100.9	101.6	102.3	103.0	103.8	104.5	105.2
4	98.2	98.9	99.6	100.3	101.0	101.7	102.4	103.1	103.8	104.5
1.55	97.5	98.2	98.9	99.6	100.3	101.0	101.7	102.4	103.1	103.8
6	96.9	97.6	98.3	99.0	99.7	100.4	101.1	101.8	102.5	103.1
7	96.3	97.0	97.7	98.4	99.0	99.7	100.4	101.1	101.8	102.5
8	95.7	96.4	97.0	97.7	98.4	99.1	99.8	100.5	101.2	101.8
9	95.1	95.8	96.4	97.1	97.8	98.5	99.2	99.8	100.5	101.2
1.60	94.5	95.2	95.8	96.5	97.2	97.9	98.5	99.2	99.9	100.6
1	93.9	94.6	95.2	95.9	96.6	97.3	97.9	98.6	99.3	99.9
2	93.3	94.0	94.6	95.3	96.0	96.7	97.3	98.0	98.7	99.3
3	92.7	93.4	94.1	94.7	95.4	96.1	96.7	97.4	98.0	98.7
4	92.2	92.8	93.5	94.2	94.8	95.5	96.1	96.8	97.4	98.1
1.65	91.6	92.3	92.9	93.6	94.2	94.9	95.6	96.2	96.9	97.5
6	91.1	91.7	92.4	93.0	93.7	94.3	95.0	95.6	96.3	96.9
7	90.5	91.2	91.8	92.5	93.1	93.8	94.4	95.0	95.7	96.3
8	90.0	90.6	91.3	91.9	92.6	93.2	93.8	94.5	95.1	95.8
9	89.4	90.1	90.7	91.4	92.0	92.6	93.3	93.9	94.6	95.2
1.70	88.9	89.6	90.2	90.8	91.5	92.1	92.7	93.4	94.0	94.6
1	88.4	89.0	89.7	90.3	90.9	91.6	92.2	92.8	93.5	94.1
2	87.9	88.5	89.1	89.8	90.4	91.0	91.7	92.3	92.9	93.5
3	87.4	88.0	88.6	89.2	89.9	90.5	91.1	91.7	92.4	93.0
4	86.9	87.5	88.1	88.7	89.4	90.0	90.6	91.2	91.8	92.5
1.75	86.4	87.0	87.6	88.2	88.8	89.5	90.1	90.7	91.3	91.9
6	85.9	86.5	87.1	87.7	88.3	89.0	89.6	90.2	90.8	91.4
7	85.4	86.0	86.6	87.2	87.8	88.4	89.1	89.7	90.3	90.9
8	84.9	85.5	86.1	86.7	87.3	88.0	88.6	89.2	89.8	90.4
9	84.4	85.0	85.6	86.3	86.9	87.5	88.1	88.7	89.3	89.9
1.80	84.0	84.6	85.2	85.8	86.4	87.0	87.6	88.2	88.8	89.4
1	83.5	84.1	84.7	85.3	85.9	86.5	87.1	87.7	88.3	88.9
2	83.0	83.6	84.2	84.8	85.4	86.0	86.6	87.2	87.8	88.4
3	82.6	83.2	83.8	84.4	85.0	85.5	86.1	86.7	87.3	87.9
4	82.1	82.7	83.3	83.9	84.5	85.1	85.7	86.3	86.8	87.4
1.85	81.7	82.3	82.9	83.5	84.0	84.6	85.2	85.8	86.4	87.0
6	81.3	81.8	82.4	83.0	83.6	84.2	84.7	85.3	85.9	86.5
7	80.8	81.4	82.0	82.6	83.1	83.7	84.3	84.9	85.4	86.0
8	80.4	81.0	81.5	82.1	82.7	83.3	83.8	84.4	85.0	85.6
9	80.0	80.5	81.1	81.7	82.2	82.8	83.4	84.0	84.5	85.1
1.90	79.5	80.1	80.7	81.3	81.8	82.4	83.0	83.5	84.1	84.7
1	79.1	79.7	80.3	80.8	81.4	82.0	82.5	83.1	83.7	84.2
2	78.7	79.3	79.8	80.4	81.0	81.5	82.1	82.7	83.2	83.8
3	78.3	78.9	79.4	80.0	80.5	81.1	81.7	82.2	82.8	83.3
4	77.9	78.5	79.0	79.6	80.1	80.7	81.2	81.8	82.4	82.9
1.95	77.5	78.1	78.6	79.2	79.7	80.3	80.8	81.4	81.9	82.5
6	77.1	77.7	78.2	78.8	79.3	79.9	80.4	81.0	81.5	82.1
7	76.7	77.3	77.8	78.4	78.9	79.5	80.0	80.6	81.1	81.7
8	76.3	76.9	77.4	78.0	78.5	79.1	79.6	80.1	80.7	81.2
9	75.9	76.5	77.0	77.6	78.1	78.7	79.2	79.7	80.3	80.8

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 14.0 - 14.9

Bundle	Beam Reading									
weight	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
2.00	75.6	76.1	76.6	77.2	77.7	78.3	78.8	79.3	79.9	80.4
1	75.2	75.7	76.3	76.8	77.3	77.9	78.4	78.9	79.5	80.0
2	74.8	75.3	75.9	76.4	77.0	77.5	78.0	78.6	79.1	79.6
3	74.4	75.0	75.5	76.0	76.6	77.1	77.6	78.2	78.7	79.2
4	74.1	74.6	75.1	75.7	76.2	76.7	77.3	77.8	78.3	78.8
2.05	73.7	74.2	74.8	75.3	75.8	76.4	76.9	77.4	77.9	78.5
6	73.4	73.9	74.4	74.9	75.5	76.0	76.5	77.0	77.6	78.1
7	73.0	73.5	74.0	74.6	75.1	75.6	76.1	76.7	77.2	77.7
8	72.7	73.2	73.7	74.2	74.7	75.2	75.8	76.3	76.8	77.3
9	72.3	72.8	73.3	73.9	74.4	74.9	75.4	75.9	76.4	77.0
2.10	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.6	76.1	76.6
1	71.6	72.1	72.6	73.2	73.7	74.2	74.7	75.2	75.7	76.2
2	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8	75.4	75.9
3	70.9	71.4	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5
4	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.7	75.2
2.15	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8
6	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5
7	69.6	70.1	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1
8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8
9	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	72.9	73.4
2.20	68.7	69.2	69.7	70.2	70.6	71.1	71.6	72.1	72.6	73.1
1	68.4	68.9	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8
2	68.1	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.4
3	67.8	68.2	68.7	69.2	69.7	70.2	70.7	71.1	71.6	72.1
4	67.5	67.9	68.4	68.9	69.4	69.9	70.3	70.8	71.3	71.8
2.25	67.2	67.6	68.1	68.6	69.1	69.6	70.0	70.5	71.0	71.5
6	66.9	67.3	67.8	68.3	68.8	69.2	69.7	70.2	70.7	71.2
7	66.6	67.0	67.5	68.0	68.5	68.9	69.4	69.9	70.4	70.8
8	66.3	66.7	67.2	67.7	68.2	68.6	69.1	69.6	70.1	70.5
9	66.0	66.4	66.9	67.4	67.9	68.3	68.8	69.3	69.8	70.2
2.30	65.7	66.2	66.6	67.1	67.6	68.0	68.5	69.0	69.5	69.9
1	65.4	65.9	66.3	66.8	67.3	67.7	68.2	68.7	69.1	69.6
2	65.1	65.6	66.1	66.5	67.0	67.5	67.9	68.4	68.9	69.3
3	64.8	65.3	65.8	66.2	66.7	67.2	67.6	68.1	68.6	69.0
4	64.6	65.0	65.5	66.0	66.4	66.9	67.3	67.8	68.3	68.7
2.35	64.3	64.7	65.2	65.7	66.1	66.6	67.0	67.5	68.0	68.4
6	64.0	64.5	64.9	65.4	65.8	66.3	66.8	67.2	67.7	68.1
7	63.7	64.2	64.7	65.1	65.6	66.0	66.5	66.9	67.4	67.9
8	63.5	63.9	64.4	64.8	65.3	65.7	66.2	66.7	67.1	67.6
9	63.2	63.7	64.1	64.6	65.0	65.5	65.9	66.4	66.8	67.3
2.40	62.9	63.4	63.8	64.3	64.7	65.2	65.7	66.1	66.6	67.0
1	62.7	63.1	63.6	64.0	64.5	64.9	65.4	65.8	66.3	66.7
2	62.4	62.9	63.3	63.8	64.2	64.7	65.1	65.6	66.0	66.4
3	62.2	62.6	63.1	63.5	63.9	64.4	64.8	65.3	65.7	66.2
4	61.9	62.4	62.8	63.2	63.7	64.1	64.6	65.0	65.5	65.9
2.45	61.7	62.1	62.5	63.0	63.4	63.9	64.3	64.7	65.2	65.6
6	61.4	61.8	62.3	62.7	63.2	63.6	64.0	64.5	64.9	65.4
7	61.2	61.6	62.0	62.5	62.9	63.3	63.8	64.2	64.7	65.1
8	60.9	61.3	61.8	62.2	62.7	63.1	63.5	64.0	64.4	64.8
9	60.7	61.1	61.5	62.0	62.4	62.8	63.3	63.7	64.1	64.6

Bundle	Beam Reading									
weight	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
2.50	60.4	60.9	61.3	61.7	62.2	62.6	63.0	63.5	63.9	64.3
1	60.2	60.6	61.0	61.5	61.9	62.3	62.8	63.2	63.6	64.1
2	59.9	60.4	60.8	61.2	61.7	62.1	62.5	62.9	63.4	63.8
3	59.7	60.1	60.6	61.0	61.4	61.8	62.3	62.7	63.1	63.6
4	59.5	59.9	60.3	60.7	61.2	61.6	62.0	62.5	62.9	63.3
2.55	59.2	59.7	60.1	60.5	60.9	61.4	61.8	62.2	62.6	63.1
6	59.0	59.4	59.9	60.3	60.7	61.1	61.5	62.0	62.4	62.8
7	58.8	59.2	59.6	60.0	60.5	60.9	61.3	61.7	62.1	62.6
8	58.5	59.0	59.4	59.8	60.2	60.6	61.1	61.5	61.9	62.3
9	58.3	58.7	59.2	59.6	60.0	60.4	60.8	61.2	61.7	62.1
2.60	58.1	58.5	58.9	59.3	59.8	60.2	60.6	61.0	61.4	61.8
1	57.9	58.3	58.7	59.1	59.5	59.9	60.4	60.8	61.2	61.6
2	57.7	58.1	58.5	58.9	59.3	59.7	60.1	60.5	61.0	61.4
3	57.4	57.8	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.1
4	57.2	57.6	58.0	58.4	58.9	59.3	59.7	60.1	60.5	60.9
2.65	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.9	60.3	60.7
6	56.8	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.0	60.4
7	56.6	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.8	60.2
8	56.4	56.8	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.0
9	56.1	56.6	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.8
2.70	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.5
1	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.5	58.9	59.3
2	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1
3	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.5	58.9
4	55.1	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7
2.75	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.5
6	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.2
7	54.5	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.6	58.0
8	54.3	54.7	55.1	55.5	55.9	56.3	56.7	57.0	57.4	57.8
9	54.1	54.5	54.9	55.3	55.7	56.1	56.5	56.8	57.2	57.6
2.80	53.9	54.3	54.7	55.1	55.5	55.9	56.3	56.6	57.0	57.4
1	53.7	54.1	54.5	54.9	55.3	55.7	56.1	56.4	56.8	57.2
2	53.6	53.9	54.3	54.7	55.1	55.5	55.9	56.2	56.6	57.0
3	53.4	53.7	54.1	54.5	54.9	55.3	55.7	56.0	56.4	56.8
4	53.2	53.6	53.9	54.3	54.7	55.1	55.5	55.8	56.2	56.6
2.85	53.0	53.4	53.7	54.1	54.5	54.9	55.3	55.6	56.0	56.4
6	52.8	53.2	53.6	53.9	54.3	54.7	55.2	55.5	55.8	56.2
7	52.6	53.0	53.4	53.7	54.1	54.5	54.9	55.3	55.6	56.0
8	52.4	52.8	53.2	53.6	53.9	54.3	54.7	55.1	55.4	55.8
9	52.3	52.6	53.0	53.4	53.8	54.1	54.5	54.9	55.2	55.6
2.90	52.1	52.4	52.8	53.2	53.6	53.9	54.3	54.7	55.1	55.4
1	51.9	52.3	52.6	53.0	53.4	53.8	54.1	54.5	54.9	55.2
2	51.7	52.1	52.5	52.8	53.2	53.6	54.0	54.3	54.7	55.0
3	51.5	51.9	52.3	52.6	53.0	53.4	53.8	54.1	54.5	54.9
4	51.4	51.7	52.1	52.5	52.8	53.2	53.6	53.9	54.3	54.7
2.95	51.2	51.6	51.9	52.3	52.7	53.0	53.4	53.8	54.1	54.5
6	51.0	51.4	51.7	52.1	52.5	52.8	53.2	53.6	53.9	54.3
7	50.8	51.2	51.6	51.9	52.3	52.7	53.0	53.4	53.8	54.1
8	50.7	51.0	51.4	51.8	52.1	52.5	52.8	53.2	53.6	53.9
9	50.5	50.9	51.2	51.6	51.9	52.3	52.7	53.0	53.4	53.8

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 15.0 - 15.9

Bundle weight	Beam reading									
	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
1.00	162.1	163.1	164.2	165.3	166.4	167.5	168.5	169.6	170.7	171.8
1	160.4	161.5	162.6	163.7	164.7	165.8	166.9	167.9	169.0	170.1
2	158.9	159.9	161.0	162.1	163.1	164.2	165.2	166.3	167.4	168.4
3	157.3	158.4	159.4	160.5	161.5	162.6	163.6	164.7	165.7	166.8
4	155.8	156.9	157.9	158.9	160.0	161.0	162.1	163.1	164.1	165.2
1.05	154.3	155.4	156.4	157.4	158.5	159.5	160.5	161.5	162.6	163.6
6	152.9	153.9	154.9	155.9	157.0	158.0	159.0	160.0	161.0	162.1
7	151.4	152.5	153.5	154.5	155.5	156.5	157.5	158.5	159.5	160.5
8	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.1
9	148.7	149.7	150.6	151.6	152.6	153.6	154.6	155.6	156.6	157.6
1.10	147.3	148.3	149.3	150.3	151.2	152.2	153.2	154.2	155.2	156.2
1	146.0	147.0	147.9	148.9	149.9	150.9	151.8	152.8	153.8	154.7
2	144.7	145.6	146.6	147.6	148.5	149.5	150.5	151.4	152.4	153.4
3	143.4	144.4	145.3	146.3	147.2	148.2	149.1	150.1	151.1	152.0
4	142.1	143.1	144.0	145.0	145.9	146.9	147.8	148.8	149.7	150.7
1.15	140.9	141.8	142.8	143.7	144.7	145.6	146.5	147.5	148.4	149.4
6	139.7	140.6	141.5	142.5	143.4	144.3	145.3	146.2	147.1	148.1
7	138.5	139.4	140.3	141.3	142.2	143.1	144.0	145.0	145.9	146.8
8	137.3	138.2	139.1	140.1	141.0	141.9	142.8	143.7	144.6	145.6
9	136.2	137.1	138.0	138.9	139.8	140.7	141.6	142.5	143.4	144.3
1.20	135.0	135.9	136.8	137.7	138.6	139.5	140.4	141.3	142.2	143.1
1	133.9	134.8	135.7	136.6	137.5	138.4	139.3	140.2	141.1	141.9
2	132.8	133.7	134.6	135.5	136.4	137.2	138.1	139.0	139.9	140.8
3	131.7	132.6	133.5	134.4	135.2	136.1	137.0	137.9	138.8	139.6
4	130.7	131.5	132.4	133.3	134.2	135.0	135.9	136.8	137.6	138.5
1.25	129.6	130.5	131.3	132.2	133.1	133.9	134.8	135.7	136.5	137.4
6	128.6	129.4	130.3	131.2	132.0	132.9	133.7	134.6	135.5	136.3
7	127.6	128.4	129.3	130.1	131.0	131.8	132.7	133.5	134.4	135.2
8	126.6	127.4	128.3	129.1	130.0	130.8	131.6	132.5	133.3	134.2
9	125.6	126.4	127.3	128.1	128.9	129.8	130.6	131.5	132.3	133.1
1.30	124.6	125.5	126.3	127.1	128.0	128.8	129.6	130.5	131.3	132.1
1	123.7	124.5	125.3	126.2	127.0	127.8	128.6	129.5	130.3	131.1
2	122.7	123.6	124.4	125.2	126.0	126.8	127.7	128.5	129.3	130.1
3	121.8	122.6	123.4	124.3	125.1	125.9	126.7	127.5	128.3	129.1
4	120.9	121.7	122.5	123.3	124.1	124.9	125.7	126.6	127.4	128.2
1.35	120.0	120.8	121.6	122.4	123.2	124.0	124.8	125.6	126.4	127.2
6	119.1	119.9	120.7	121.5	122.3	123.1	123.9	124.7	125.5	126.3
7	118.3	119.0	119.8	120.6	121.4	122.2	123.0	123.8	124.6	125.4
8	117.4	118.2	119.0	119.7	120.5	121.3	122.1	122.9	123.7	124.4
9	116.6	117.3	118.1	118.9	119.7	120.4	121.2	122.0	122.8	123.6
1.40	115.7	116.5	117.3	118.0	118.8	119.6	120.4	121.1	121.9	122.7
1	114.9	115.7	116.4	117.2	118.0	118.7	119.5	120.3	121.0	121.8
2	114.1	114.8	115.6	116.4	117.1	117.9	118.7	119.4	120.2	120.9
3	113.3	114.0	114.8	115.6	116.3	117.1	117.8	118.6	119.3	120.1
4	112.5	113.3	114.0	114.8	115.5	116.3	117.0	117.8	118.5	119.3
1.45	111.7	112.5	113.2	114.0	114.7	115.5	116.2	116.9	117.7	118.4
6	111.0	111.7	112.4	113.2	113.9	114.7	115.4	116.1	116.9	117.6
7	110.2	110.9	111.7	112.4	113.1	113.9	114.6	115.4	116.1	116.8
8	109.5	110.2	110.9	111.6	112.4	113.1	113.8	114.6	115.3	116.0
9	108.7	109.4	110.2	110.9	111.6	112.3	113.1	113.8	114.5	115.3

Bundle weight	Beam reading									
	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
1.50	108.0	108.7	109.4	110.2	110.9	111.6	112.3	113.0	113.8	114.5
1	107.3	108.0	108.7	109.4	110.1	110.9	111.6	112.3	113.0	113.7
2	106.6	107.3	108.0	108.7	109.4	110.1	110.8	111.6	112.3	113.0
3	105.9	106.6	107.3	108.0	108.7	109.4	110.1	110.8	111.5	112.2
4	105.2	105.9	106.6	107.3	108.0	108.7	109.4	110.1	110.8	111.5
1.55	104.5	105.2	105.9	106.6	107.3	108.0	108.7	109.4	110.1	110.8
6	103.8	104.5	105.2	105.9	106.6	107.3	108.0	108.7	109.4	110.1
7	103.2	103.9	104.6	105.2	105.9	106.6	107.3	108.0	108.7	109.4
8	102.5	103.2	103.9	104.6	105.3	105.9	106.6	107.3	108.0	108.7
9	101.9	102.6	103.2	103.9	104.6	105.3	106.0	106.6	107.3	108.0
1.60	101.2	101.9	102.6	103.3	103.9	104.6	105.3	106.0	106.6	107.3
1	100.6	101.3	102.0	102.6	103.3	104.0	104.6	105.3	106.0	106.7
2	100.0	100.7	101.3	102.0	102.7	103.3	104.0	104.7	105.3	106.0
3	99.4	100.0	100.7	101.4	102.0	102.7	103.4	104.0	104.7	105.3
4	98.8	99.4	100.1	100.7	101.4	102.1	102.7	103.4	104.0	104.7
1.65	98.2	98.8	99.5	100.1	100.8	101.4	102.1	102.8	103.4	104.1
6	97.6	98.2	98.9	99.5	100.2	100.8	101.5	102.1	102.8	103.4
7	97.0	97.6	98.3	98.9	99.6	100.2	100.9	101.5	102.2	102.8
8	96.4	97.1	97.7	98.3	99.0	99.6	100.3	100.9	101.6	102.2
9	95.8	96.5	97.1	97.8	98.4	99.0	99.7	100.3	101.0	101.6
1.70	95.3	95.9	96.5	97.2	97.8	98.5	99.1	99.7	100.4	101.0
1	94.7	95.4	96.0	96.6	97.2	97.9	98.5	99.1	99.8	100.4
2	94.2	94.8	95.4	96.1	96.7	97.3	97.9	98.6	99.2	99.8
3	93.6	94.2	94.9	95.5	96.1	96.7	97.4	98.0	98.6	99.2
4	93.1	93.7	94.3	94.9	95.6	96.2	96.8	97.4	98.1	98.7
1.75	92.6	93.2	93.8	94.4	95.0	95.6	96.3	96.9	97.5	98.1
6	92.0	92.6	93.3	93.9	94.5	95.1	95.7	96.3	96.9	97.6
7	91.5	92.1	92.7	93.3	93.9	94.6	95.2	95.8	96.4	97.0
8	91.0	91.6	92.2	92.8	93.4	94.0	94.6	95.2	95.8	96.5
9	90.5	91.1	91.7	92.3	92.9	93.5	94.1	94.7	95.3	95.9
1.80	90.0	90.6	91.2	91.8	92.4	93.0	93.6	94.2	94.8	95.4
1	89.5	90.1	90.7	91.3	91.9	92.5	93.1	93.7	94.3	94.9
2	89.0	89.6	90.2	90.8	91.4	92.0	92.6	93.1	93.7	94.3
3	88.5	89.1	89.7	90.3	90.9	91.5	92.0	92.6	93.2	93.8
4	88.0	88.6	89.2	89.8	90.4	91.0	91.5	92.1	92.7	93.3
1.85	87.5	88.1	88.7	89.3	89.9	90.5	91.0	91.6	92.2	92.8
6	87.1	87.7	88.2	88.8	89.4	90.0	90.6	91 1	91.7	92.3
7	86.6	87.2	87.8	88.3	88.9	89.5	90.1	90.7	91.2	91.8
8	86.1	86.7	87.3	87.9	88.4	89.0	89.6	90.2	90.7	91.3
9	85.7	86.3	86.8	87.4	88.0	88.5	89.1	89.7	90.3	90.8
1.90	85.2	85.8	86.4	86.9	87.5	88.1	88.6	89.2	89.8	90.4
1	84.8	85.4	85.9	86.5	87.1	87.6	88.2	88.8	89.3	89.9
2	84.3	84.9	85.5	86.0	86.6	87.2	87.7	88.3	88.9	89.4
3	83.9	84.5	85.0	85.6	86.1	86.7	87.3	87.8	88.4	88.9
4	83.5	84.0	84.6	85.1	85.7	86.3	86.8	87.4	87.9	88.5
1.95	83.0	83.6	84.2	84.7	85.3	85.8	86.4	86.9	87.5	88.0
6	82.6	83.2	83.7	84.3	84.8	85.4	85.9	86.5	87.0	87.6
7	82.2	82.8	83.3	83.8	84.4	84.9	85.5	86.0	86.6	87.1
8	81.8	82.3	82.9	83.4	84.0	84.5	85.1	85.6	86.2	86.7
9	81.4	81.9	82.5	83.0	83.5	84.1	84.6	85.2	85.7	86.3

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 15.0 - 15.9

Bundle weight	Beam reading 15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
2.00	81.0	81.5	82.0	82.6	83.1	83.7	84.2	84.8	85.3	85.8
1	80.6	81.1	81.6	82.2	82.7	83.3	83.8	84.3	84.9	85.4
2	80.2	80.7	81.2	81.8	82.3	82.8	83.4	83.9	84.4	85.0
3	79.8	80.3	80.8	81.4	81.9	82.4	83.0	83.5	84.0	84.6
4	79.4	79.9	80.4	81.0	81.5	82.0	82.6	83.1	83.6	84.1
2.05	79.0	79.5	80.0	80.6	81.1	81.6	82.2	82.7	83.2	83.7
6	78.6	79.1	79.7	80.2	80.7	81.2	81.8	82.3	82.8	83.3
7	78.2	78.7	79.3	79.8	80.3	80.8	81.4	81.9	82.4	82.9
8	77.8	78.4	78.9	79.4	79.9	80.4	81.0	81.5	82.0	82.5
9	77.5	78.0	78.5	79.0	79.5	80.1	80.6	81.1	81.6	82.1
2.10	77.1	77.6	78.1	78.7	79.2	79.7	80.2	80.7	81.2	81.7
1	76.7	77.3	77.8	78.3	78.8	79.3	79.8	80.3	80.8	81.4
2	76.4	76.9	77.4	77.9	78.4	78.9	79.4	79.9	80.5	81.0
3	76.0	76.5	77.0	77.5	78.0	78.6	79.1	79.6	80.1	80.6
4	75.7	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.2
2.15	75.3	75.8	76.3	76.8	77.3	77.8	78.3	78.8	79.3	79.8
6	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5
7	74.6	75.1	75.6	76.1	76.6	77.1	77.6	78.1	78.6	79.1
8	74.3	74.8	75.3	75.8	76.3	76.8	77.2	77.7	78.2	78.7
9	73.9	74.4	74.9	75.4	75.9	76.4	76.9	77.4	77.9	78.4
2.20	73.6	74.1	74.6	75.1	75.6	76.1	76.5	77.0	77.5	78.0
1	73.3	73.8	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7
2	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.3	76.8	77.3
3	72.6	73.1	73.6	74.1	74.5	75.0	75.5	76.0	76.5	77.0
4	72.3	72.8	73.2	73.7	74.2	74.7	75.2	75.7	76.1	76.6
2.25	72.0	72.4	72.9	73.4	73.9	74.4	74.8	75.3	75.8	76.3
6	71.6	72.1	72.6	73.1	73.6	74.0	74.5	75.0	75.5	75.9
7	71.3	71.8	72.3	72.8	73.2	73.7	74.2	74.7	75.1	75.6
8	71.0	71.5	72.0	72.4	72.9	73.4	73.9	74.3	74.8	75.3
9	70.7	71.2	71.6	72.1	72.6	73.1	73.5	74.0	74.5	74.9
2.30	70.4	70.9	71.3	71.8	72.3	72.7	73.2	73.7	74.2	74.6
1	70.1	70.6	71.0	71.5	72.0	72.4	72.9	73.4	73.8	74.3
2	69.8	70.2	70.7	71.2	71.6	72.1	72.6	73.0	73.5	74.0
3	69.5	69.9	70.4	70.9	71.3	71.8	72.3	72.7	73.2	73.7
4	69.2	69.6	70.1	70.6	71.0	71.5	72.0	72.4	72.9	73.3
2.35	68.9	69.4	69.8	70.3	70.7	71.2	71.7	72.1	72.6	73.0
6	68.6	69.1	69.5	70.0	70.4	70.9	71.3	71.8	72.3	72.7
7	68.3	68.8	69.2	69.7	70.1	70.6	71.0	71.5	72.0	72.4
8	68.0	68.5	68.9	69.4	69.8	70.3	70.7	71.2	71.7	72.1
9	67.7	68.2	68.6	69.1	69.5	70.0	70.4	70.9	71.4	71.8
2.40	67.5	67.9	68.4	68.8	69.3	69.7	70.2	70.6	71.1	71.5
1	67.2	67.6	68.1	68.5	69.0	69.4	69.9	70.3	70.8	71.2
2	66.9	67.3	67.8	68.2	68.7	69.1	69.6	70.0	70.5	70.9
3	66.6	67.1	67.5	68.0	68.4	68.8	69.3	69.7	70.2	70.6
4	66.3	66.8	67.2	67.7	68.1	68.6	69.0	69.4	69.9	70.3
2.45	66.1	66.5	67.0	67.4	67.8	68.3	68.7	69.2	69.6	70.0
6	65.8	66.2	66.7	67.1	67.6	68.0	68.4	68.9	69.3	69.8
7	65.5	66.0	66.4	66.9	67.3	67.7	68.2	68.6	69.0	69.5
8	65.3	65.7	66.1	66.6	67.0	67.5	67.9	68.3	68.8	69.2
9	65.0	65.4	65.9	66.3	66.7	67.2	67.6	68.0	68.5	68.9

Bundle weight	Beam reading 15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
2.50	64.7	65.2	65.6	66.0	66.5	66.9	67.3	67.8	68.2	68.6
1	64.5	64.9	65.4	65.8	66.2	66.6	67.1	67.5	67.9	68.4
2	64.2	64.7	65.1	65.5	66.0	66.4	66.8	67.2	67.7	68.1
3	64.0	64.4	64.8	65.3	65.7	66.1	66.5	67.0	67.4	67.8
4	63.7	64.2	64.6	65.0	65.4	65.9	66.3	66.7	67.1	67.6
2.55	63.5	63.9	64.3	64.7	65.2	65.6	66.0	66.4	66.9	67.3
6	63.2	63.7	64.1	64.5	64.9	65.3	65.8	66.2	66.6	67.0
7	63.0	63.4	63.8	64.2	64.7	65.1	65.5	65.9	66.3	66.8
8	62.7	63.2	63.6	64.0	64.4	64.8	65.3	65.7	66.1	66.5
9	62.5	62.9	63.3	63.7	64.2	64.6	65.0	65.4	65.8	66.3
2.60	62.3	62.7	63.1	63.5	63.9	64.3	64.7	65.2	65.6	66.0
1	62.0	62.4	62.8	63.3	63.7	64.1	64.5	64.9	65.3	65.7
2	61.8	62.2	62.6	63.0	63.4	63.8	64.3	64.7	65.1	65.5
3	61.5	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.8	65.2
4	61.3	61.7	62.1	62.5	62.9	63.4	63.8	64.2	64.6	65.0
2.65	61.1	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.3	64.7
6	60.8	61.3	61.7	62.1	62.5	62.9	63.3	63.7	64.1	64.5
7	60.6	61.0	61.4	61.8	62.2	62.6	63.0	63.5	63.9	64.3
8	60.4	60.8	61.2	61.6	62.0	62.4	62.8	63.2	63.6	64.0
9	60.2	60.6	61.0	61.4	61.8	62.2	62.6	63.0	63.4	63.8
2.70	59.9	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.1	63.5
1	59.7	60.1	60.5	60.9	61.3	61.7	62.1	62.5	62.9	63.3
2	59.5	59.9	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.1
3	59.3	59.7	60.1	60.5	60.9	61.3	61.7	62.1	62.5	62.8
4	59.1	59.5	59.9	60.3	60.6	61.0	61.4	61.8	62.2	62.6
2.75	58.9	59.2	59.6	60.0	60.4	60.8	61.2	61.6	62.0	62.4
6	58.6	59.0	59.4	59.8	60.2	60.6	61.0	61.4	61.8	62.2
7	58.4	58.8	59.2	59.6	60.0	60.4	60.8	61.2	61.5	61.9
8	58.2	58.6	59.0	59.4	59.8	60.2	60.5	60.9	61.3	61.7
9	58.0	58.4	58.8	59.2	59.6	59.9	60.3	60.7	61.1	61.5
2.80	57.8	58.2	58.6	59.0	59.3	59.7	60.1	60.5	60.9	61.3
1	57.6	58.0	58.4	58.7	59.1	59.5	59.9	60.3	60.7	61.1
2	57.4	57.8	58.2	58.5	58.9	59.3	59.7	60.1	60.5	60.8
3	57.2	57.6	57.9	58.3	58.7	59.1	59.5	59.9	60.2	60.6
4	57.0	57.4	57.7	58.1	58.5	58.9	59.3	59.6	60.0	60.4
2.85	56.8	57.2	57.5	57.9	58.3	58.7	59.1	59.4	59.8	60.2
6	56.6	57.0	57.3	57.7	58.1	58.5	58.9	59.2	59.6	60.0
7	56.4	56.8	57.1	57.5	57.9	58.3	58.6	59.0	59.4	59.8
8	56.2	56.6	56.9	57.3	57.7	58.1	58.4	58.8	59.2	59.6
9	56.0	56.4	56.7	57.1	57.5	57.9	58.2	58.6	59.0	59.4
2.90	55.8	56.2	56.5	56.9	57.3	57.7	58.0	58.4	58.8	59.2
1	55.6	56.0	56.4	56.7	57.1	57.5	57.8	58.2	58.6	59.0
2	55.4	55.8	56.2	56.5	56.9	57.3	57.6	58.0	58.4	58.8
3	55.2	55.6	56.0	56.3	56.7	57.1	57.4	57.8	58.2	58.6
4	55.0	55.4	55.8	56.1	56.5	56.9	57.2	57.6	58.0	58.4
2.95	54.9	55.2	55.6	56.0	56.3	56.7	57.1	57.4	57.8	58.2
6	54.7	55.0	55.4	55.8	56.1	56.5	56.9	57.2	57.6	58.0
7	54.5	54.8	55.2	55.6	55.9	56.3	56.7	57.0	57.4	57.8
8	54.3	54.7	55.0	55.4	55.8	56.1	56.5	56.8	57.2	57.6
9	54.1	54.5	54.8	55.2	55.6	55.9	56.3	56.6	57.0	57.4

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 16.0 - 16.9

Bundle weight	Beam Reading 16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
1.00	172.9	173.9	175.0	176.1	177.2	178.3	179.4	180.4	181.5	182.6
1	171.2	172.2	173.3	174.4	175.4	176.5	177.6	178.6	179.7	180.8
2	169.5	170.5	171.6	172.7	173.7	174.8	175.8	176.9	178.0	179.0
3	167.8	168.9	169.9	171.0	172.0	173.1	174.1	175.2	176.2	177.3
4	166.2	167.3	168.3	169.3	170.4	171.4	172.4	173.5	174.5	175.6
1.05	164.6	165.7	166.7	167.7	168.7	169.8	170.8	171.8	172.9	173.9
6	163.1	164.1	165.1	166.1	167.2	168.2	169.2	170.2	171.2	172.3
7	161.5	162.6	163.6	164.6	165.6	166.6	167.6	168.6	169.6	170.6
8	160.1	161.1	162.1	163.1	164.1	165.1	166.1	167.1	168.1	169.1
9	158.6	159.6	160.6	161.6	162.5	163.5	164.5	165.5	166.5	167.5
1.10	157.1	158.1	159.1	160.1	161.1	162.1	163.0	164.0	165.0	166.0
1	155.7	156.7	157.7	158.6	159.6	160.6	161.6	162.5	163.5	164.5
2	154.3	155.3	156.3	157.2	158.2	159.2	160.1	161.1	162.1	163.0
3	153.0	153.9	154.9	155.8	156.8	157.7	158.7	159.7	160.6	161.6
4	151.6	152.6	153.5	154.5	155.4	156.4	157.3	158.3	159.2	160.2
1.15	150.3	151.2	152.2	153.1	154.1	155.0	155.9	156.9	157.8	158.8
6	149.0	149.9	150.9	151.8	152.7	153.7	154.6	155.5	156.5	157.4
7	147.7	148.7	149.6	150.5	151.4	152.4	153.3	154.2	155.1	156.0
8	146.5	147.4	148.3	149.2	150.1	151.1	152.0	152.9	153.8	154.7
9	145.2	146.2	147.1	148.0	148.9	149.8	150.7	151.6	152.5	153.4
1.20	144.0	144.9	145.8	146.7	147.6	148.5	149.4	150.3	151.2	152.1
1	142.8	143.7	144.6	145.5	146.4	147.3	148.2	149.1	150.0	150.9
2	141.7	142.6	143.4	144.3	145.2	146.1	147.0	147.9	148.8	149.6
3	140.5	141.4	142.3	143.2	144.0	144.9	145.8	146.7	147.6	148.4
4	139.4	140.3	141.1	142.0	142.9	143.7	144.6	145.5	146.4	147.2
1.25	138.3	139.1	140.0	140.9	141.7	142.6	143.5	144.3	145.2	146.1
6	137.2	138.0	138.9	139.7	140.6	141.5	142.3	143.2	144.0	144.9
7	136.1	136.9	137.8	138.6	139.5	140.3	141.2	142.0	142.9	143.8
8	135.0	135.9	136.7	137.6	138.4	139.2	140.1	140.9	141.8	142.6
9	134.0	134.8	135.7	136.5	137.3	138.2	139.0	139.8	140.7	141.5
1.30	132.9	133.8	134.6	135.4	136.3	137.1	137.9	138.8	139.6	140.4
1	131.9	132.8	133.6	134.4	135.2	136.1	136.9	137.7	138.5	139.4
2	130.9	131.7	132.6	133.4	134.2	135.0	135.8	136.7	137.5	138.3
3	129.9	130.8	131.6	132.4	133.2	134.0	134.8	135.6	136.4	137.3
4	129.0	129.8	130.6	131.4	132.2	133.0	133.8	134.6	135.4	136.2
1.35	128.0	128.8	129.6	130.4	131.2	132.0	132.8	133.6	134.4	135.2
6	127.1	127.9	128.7	129.5	130.3	131.1	131.8	132.6	133.4	134.2
7	126.1	126.9	127.7	128.5	129.3	130.1	130.9	131.7	132.5	133.2
8	125.2	126.0	126.8	127.6	128.4	129.1	129.9	130.7	131.5	132.3
9	124.3	125.1	125.9	126.7	127.4	128.2	129.0	129.8	130.6	131.3
1.40	123.4	124.2	125.0	125.8	126.5	127.3	128.1	128.8	129.6	130.4
1	122.6	123.3	124.1	124.9	125.6	126.4	127.2	127.9	128.7	129.5
2	121.7	122.5	123.2	124.0	124.7	125.5	126.3	127.0	127.8	128.6
3	120.8	121.6	122.4	123.1	123.9	124.6	125.4	126.1	126.9	127.7
4	120.0	120.8	121.5	122.3	123.0	123.8	124.5	125.3	126.0	126.8
1.45	119.2	119.9	120.7	121.4	122.2	122.9	123.7	124.4	125.1	125.9
6	118.4	119.1	119.8	120.6	121.3	122.1	122.8	123.5	124.3	125.0
7	117.6	118.3	119.0	119.8	120.5	121.2	122.0	122.7	123.4	124.2
8	116.8	117.5	118.2	119.0	119.7	120.4	121.1	121.9	122.6	123.3
9	116.0	116.7	117.4	118.2	118.9	119.6	120.3	121.1	121.8	122.5

Bundle weight	Beam Reading 16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
1.50	115.2	115.9	116.6	117.4	118.1	118.8	119.5	120.2	121.0	121.7
1	114.4	115.2	115.9	116.6	117.3	118.0	118.7	119.5	120.2	120.9
2	113.7	114.4	115.1	115.8	116.5	117.2	118.0	118.7	119.4	120.1
3	112.9	113.6	114.4	115.1	115.8	116.5	117.2	117.9	118.6	119.3
4	112.2	112.9	113.6	114.3	115.0	115.7	116.4	117.1	117.8	118.5
1.55	111.5	112.2	112.9	113.6	114.3	115.0	115.7	116.4	117.1	117.8
6	110.8	111.5	112.2	112.8	113.5	114.2	114.9	115.6	116.3	117.0
7	110.1	110.8	111.4	112.1	112.8	113.5	114.2	114.9	115.6	116.3
8	109.4	110.0	110.7	111.4	112.1	112.8	113.5	114.2	114.8	115.5
9	108.7	109.4	110.0	110.7	111.4	112.1	112.8	113.4	114.1	114.8
1.60	108.0	108.7	109.3	110.0	110.7	111.4	112.1	112.7	113.4	114.1
1	107.3	108.0	108.7	109.3	110.0	110.7	111.4	112.0	112.7	113.4
2	106.7	107.3	108.0	108.7	109.3	110.0	110.7	111.3	112.0	112.7
3	106.0	106.7	107.3	108.0	108.7	109.3	110.0	110.6	111.4	112.0
4	105.4	106.0	106.7	107.3	108.0	108.7	109.3	110.0	110.6	111.3
1.65	104.7	105.4	106.0	106.7	107.3	108.0	108.7	109.3	110.0	110.6
6	104.1	104.7	105.4	106.0	106.7	107.3	108.0	108.6	109.3	109.9
7	103.5	104.1	104.8	105.4	106.1	106.7	107.3	108.0	108.6	109.3
8	102.8	103.5	104.1	104.8	105.4	106.1	106.7	107.4	108.0	108.6
9	102.2	102.9	103.5	104.2	104.8	105.4	106.1	106.7	107.4	108.0
1.70	101.6	102.3	102.9	103.5	104.2	104.8	105.5	106.1	106.7	107.4
1	101.0	101.7	102.3	102.9	103.6	104.2	104.8	105.5	106.1	106.7
2	100.5	101.1	101.7	102.3	103.0	103.6	104.2	104.9	105.5	106.1
3	99.9	100.5	101.1	101.7	102.4	103.0	103.6	104.2	104.9	105.5
4	99.3	99.9	100.5	101.2	101.8	102.4	103.0	103.6	104.3	104.9
1.75	98.7	99.3	100.0	100.6	101.2	101.8	102.4	103.1	103.7	104.3
6	98.2	98.8	99.4	100.0	100.6	101.2	101.9	102.5	103.1	103.7
7	97.6	98.2	98.8	99.4	100.1	100.7	101.3	101.9	102.5	103.1
8	97.1	97.7	98.3	98.9	99.5	100.1	100.7	101.3	101.9	102.5
9	96.5	97.1	97.7	98.3	98.9	99.5	100.1	100.7	101.4	102.0
1.80	96.0	96.6	97.2	97.8	98.4	99.0	99.6	100.2	100.8	101.4
1	95.5	96.0	96.6	97.2	97.8	98.4	99.0	99.6	100.2	100.8
2	94.9	95.5	96.1	96.7	97.3	97.9	98.5	99.1	99.7	100.3
3	94.4	95.0	95.6	96.2	96.8	97.4	98.0	98.5	99.1	99.7
4	93.9	94.5	95.1	95.7	96.2	96.8	97.4	98.0	98.6	99.2
1.85	93.4	94.0	94.6	95.1	95.7	96.3	96.9	97.5	98.1	98.6
6	92.9	93.5	94.0	94.6	95.2	95.8	96.4	97.0	97.5	98.1
7	92.4	93.0	93.5	94.1	94.7	95.3	95.9	96.4	97.0	97.6
8	91.9	92.5	93.0	93.6	94.2	94.8	95.3	95.9	96.5	97.1
9	91.4	92.0	92.6	93.1	93.7	94.3	94.8	95.4	96.0	96.6
1.90	90.9	91.5	92.1	92.6	93.2	93.8	94.3	94.9	95.5	96.0
1	90.4	91.0	91.6	92.1	92.7	93.3	93.8	94.4	95.0	95.5
2	90.0	90.5	91.1	91.7	92.2	92.8	93.4	93.9	94.5	95.0
3	89.5	90.1	90.6	91.2	91.8	92.3	92.9	93.4	94.0	94.6
4	89.0	89.6	90.2	90.7	91.3	91.8	92.4	92.9	93.5	94.1
1.95	88.6	89.1	89.7	90.3	90.8	91.4	91.9	92.5	93.0	93.6
6	88.1	88.7	89.2	89.8	90.3	90.9	91.4	92.0	92.6	93.1
7	87.7	88.2	88.8	89.3	89.9	90.4	91.0	91.5	92.1	92.6
8	87.2	87.8	88.3	88.9	89.4	90.0	90.5	91.1	91.6	92.2
9	86.8	87.4	87.9	88.4	89.0	89.5	90.1	90.6	91.2	91.7

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 16.0 - 16.9

Bundle weight	Beam reading 16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
2.00	86.4	86.9	87.5	88.0	88.5	89.1	89.6	90.2	90.7	91.2
1	85.9	86.5	87.0	87.6	88.1	88.6	89.2	89.7	90.2	90.8
2	85.5	86.1	86.6	87.1	87.7	88.2	88.7	89.3	89.8	90.3
3	85.1	85.6	86.2	86.7	87.2	87.8	88.3	88.8	89.4	89.9
4	84.7	85.2	85.7	86.3	86.8	87.3	87.9	88.4	88.9	89.4
2.05	84.3	84.8	85.3	85.8	86.4	86.9	87.4	88.0	88.5	89.0
6	83.9	84.4	84.9	85.4	86.0	86.5	87.0	87.5	88.1	88.6
7	83.4	84.0	84.5	85.0	85.5	86.1	86.6	87.1	87.6	88.1
8	83.0	83.6	84.1	84.6	85.1	85.6	86.2	86.7	87.2	87.7
9	82.6	83.2	83.7	84.2	84.7	85.2	85.8	86.3	86.8	87.3
2.10	82.3	82.8	83.3	83.8	84.3	84.8	85.3	85.9	86.4	86.9
1	81.9	82.4	82.9	83.4	83.9	84.4	84.9	85.5	86.0	86.5
2	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.6	86.1
3	81.1	81.6	82.1	82.6	83.1	83.6	84.1	84.6	85.2	85.7
4	80.7	81.2	81.7	82.2	82.7	83.2	83.7	84.3	84.8	85.3
2.15	80.3	80.8	81.3	81.8	82.3	82.9	83.4	83.9	84.4	84.9
6	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5
7	79.6	80.1	80.6	81.1	81.6	82.1	82.6	83.1	83.6	84.1
8	79.2	79.7	80.2	80.7	81.2	81.7	82.2	82.7	83.2	83.7
9	78.9	79.4	79.9	80.3	80.8	81.3	81.8	82.3	82.8	83.3
2.20	78.5	79.0	79.5	80.0	80.5	81.0	81.5	81.9	82.4	82.9
1	78.2	78.6	79.1	79.6	80.1	80.6	81.1	81.6	82.1	82.6
2	77.8	78.3	78.8	79.3	79.7	80.2	80.7	81.2	81.7	82.2
3	77.5	77.9	78.4	78.9	79.4	79.9	80.4	80.8	81.3	81.8
4	77.1	77.6	78.1	78.6	79.0	79.5	80.0	80.5	81.0	81.4
2.25	76.8	77.2	77.7	78.2	78.7	79.2	79.6	80.1	80.6	81.1
6	76.4	76.9	77.4	77.9	78.3	78.8	79.3	79.8	80.2	80.7
7	76.1	76.6	77.0	77.5	78.0	78.5	78.9	79.4	79.9	80.4
8	75.8	76.2	76.7	77.2	77.6	78.1	78.6	79.1	79.5	80.0
9	75.4	75.9	76.4	76.8	77.3	77.8	78.3	78.7	79.2	79.7
2.30	75.1	75.6	76.0	76.5	77.0	77.4	77.9	78.4	78.9	79.3
1	74.8	75.2	75.7	76.2	76.6	77.1	77.6	78.0	78.5	79.0
2	74.4	74.9	75.4	75.8	76.3	76.8	77.2	77.7	78.2	78.6
3	74.1	74.6	75.1	75.5	76.0	76.4	76.9	77.4	77.8	78.3
4	73.8	74.3	74.7	75.2	75.7	76.1	76.6	77.0	77.5	78.0
2.35	73.5	74.0	74.4	74.9	75.3	75.8	76.3	76.7	77.2	77.6
6	73.2	73.6	74.1	74.6	75.0	75.5	75.9	76.4	76.8	77.3
7	72.9	73.3	73.8	74.2	74.7	75.2	75.6	76.1	76.5	77.0
8	72.6	73.0	73.5	73.9	74.4	74.8	75.3	75.7	76.2	76.7
9	72.3	72.7	73.2	73.6	74.1	74.5	75.0	75.4	75.9	76.3
2.40	72.0	72.4	72.9	73.3	73.8	74.2	74.7	75.1	75.6	76.0
1	71.7	72.1	72.6	73.0	73.5	73.9	74.3	74.8	75.2	75.7
2	71.4	71.8	72.3	72.7	73.1	73.6	74.0	74.5	74.9	75.4
3	71.1	71.5	72.0	72.4	72.8	73.3	73.7	74.2	74.6	75.1
4	70.8	71.2	71.7	72.1	72.5	73.0	73.4	73.9	74.3	74.8
2.45	70.5	70.9	71.4	71.8	72.3	72.7	73.1	73.6	74.0	74.5
6	70.2	70.6	71.1	71.5	72.0	72.4	72.8	73.3	73.7	74.2
7	69.9	70.4	70.8	71.2	71.7	72.1	72.5	73.0	73.4	73.9
8	69.6	70.1	70.5	70.9	71.4	71.8	72.2	72.7	73.1	73.6
9	69.4	69.8	70.2	70.7	71.1	71.5	72.0	72.4	72.8	73.3

Bundle weight	Beam reading 16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
2.50	69.1	69.5	69.9	70.4	70.8	71.2	71.7	72.1	72.5	73.0
1	68.8	69.2	69.7	70.1	70.5	71.0	71.4	71.8	72.2	72.7
2	68.5	69.0	69.4	69.8	70.2	70.7	71.1	71.5	72.0	72.4
3	68.3	68.7	69.1	69.5	70.0	70.4	70.8	71.2	71.7	72.1
4	68.0	68.4	68.8	69.3	69.7	70.1	70.5	71.0	71.4	71.8
2.55	67.7	68.1	68.6	69.0	69.4	69.8	70.3	70.7	71.1	71.5
6	67.5	67.9	68.3	68.7	69.1	69.6	70.0	70.4	70.8	71.3
7	67.2	67.6	68.0	68.5	68.9	69.3	69.7	70.1	70.6	71.0
8	66.9	67.3	67.8	68.2	68.6	69.0	69.4	69.9	70.3	70.7
9	66.7	67.1	67.5	67.9	68.3	68.8	69.2	69.6	70.0	70.4
2.60	66.4	66.8	67.2	67.7	68.1	68.5	68.9	69.3	69.7	70.1
1	66.2	66.6	67.0	67.4	67.8	68.2	68.6	69.1	69.5	69.9
2	65.9	66.3	66.7	67.1	67.6	68.0	68.4	68.8	69.2	69.6
3	65.7	66.1	66.5	66.9	67.3	67.7	68.1	68.5	68.9	69.4
4	65.4	65.8	66.2	66.6	67.0	67.5	67.9	68.3	68.7	69.1
2.65	65.2	65.6	66.0	66.4	66.8	67.2	67.6	68.0	68.4	68.8
6	64.9	65.3	65.7	66.1	66.5	66.9	67.4	67.8	68.2	68.6
7	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.5	67.9	68.3
8	64.4	64.8	65.2	65.6	66.0	66.4	66.8	67.3	67.7	68.1
9	64.2	64.6	65.0	65.4	65.8	66.2	66.6	67.0	67.4	67.8
2.70	63.9	64.3	64.7	65.2	65.6	66.0	66.4	66.8	67.2	67.6
1	63.7	64.1	64.5	64.9	65.3	65.7	66.1	66.5	66.9	67.3
2	63.5	63.9	64.3	64.7	65.1	65.5	65.9	66.3	66.7	67.1
3	63.2	63.6	64.0	64.4	64.8	65.2	65.6	66.0	66.4	66.8
4	63.0	63.4	63.8	64.2	64.6	65.0	65.4	65.8	66.2	66.6
2.75	62.8	63.2	63.6	64.0	64.4	64.7	65.1	65.5	65.9	66.3
6	62.6	62.9	63.3	63.7	64.1	64.5	64.9	65.3	65.7	66.1
7	62.3	62.7	63.1	63.5	63.9	64.3	64.7	65.1	65.5	65.8
8	62.1	62.5	62.9	63.3	63.7	64.0	64.4	64.8	65.2	65.6
9	61.9	62.3	62.7	63.0	63.4	63.8	64.2	64.6	65.0	65.4
2.80	61.7	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.7	65.1
1	61.4	61.8	62.2	62.6	63.0	63.4	63.7	64.1	64.5	64.9
2	61.2	61.6	62.0	62.4	62.8	63.1	63.5	63.9	64.3	64.7
3	61.0	61.4	61.8	62.2	62.5	62.9	63.3	63.7	64.1	64.4
4	60.8	61.2	61.6	61.9	62.3	62.7	63.1	63.5	63.8	64.2
2.85	60.6	61.0	61.3	61.7	62.1	62.5	62.9	63.2	63.6	64.0
6	60.4	60.7	61.1	61.5	61.9	62.3	62.6	63.0	63.4	63.8
7	60.2	60.5	60.9	61.3	61.7	62.0	62.4	62.8	63.2	63.5
8	59.9	60.3	60.7	61.1	61.4	61.8	62.2	62.6	62.9	63.3
9	59.7	60.1	60.5	60.9	61.2	61.6	62.0	62.4	62.7	63.1
2.90	59.5	59.9	60.3	60.6	61.0	61.4	61.8	62.1	62.5	62.9
1	59.3	59.7	60.1	60.4	60.8	61.2	61.6	61.9	62.3	62.7
2	59.1	59.5	59.9	60.2	60.6	61.0	61.3	61.7	62.1	62.5
3	58.9	59.3	59.7	60.0	60.4	60.8	61.1	61.5	61.9	62.2
4	58.7	59.1	59.5	59.8	60.2	60.6	60.9	61.3	61.7	62.0
2.95	58.5	58.9	59.3	59.6	60.0	60.4	60.7	61.1	61.5	61.8
6	58.3	58.7	59.1	59.4	59.8	60.1	60.5	60.9	61.2	61.6
7	58.1	58.5	58.9	59.2	59.6	59.9	60.3	60.7	61.0	61.4
8	57.9	58.3	58.7	59.0	59.4	59.7	60.1	60.5	60.8	61.2
9	57.7	58.1	58.5	58.8	59.2	59.5	59.9	60.3	60.6	61.0

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 17.0 - 17.9

Bundle weight	Beam Reading 17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
1.00	183.7	184.8	185.8	186.9	188.0	189.1	190.2	191.2	192.3	193.4
1	181.9	182.9	184.0	185.1	186.1	187.2	188.3	189.4	190.4	191.5
2	180.1	181.1	182.2	183.3	184.3	185.4	186.4	187.5	188.6	189.6
3	178.3	179.4	180.4	181.5	182.5	183.6	184.6	185.7	186.7	187.8
4	176.6	177.6	178.7	179.7	180.8	181.8	182.8	183.9	184.9	186.0
1.05	174.9	176.0	177.0	178.0	179.0	180.1	181.1	182.1	183.2	184.2
6	173.3	174.3	175.3	176.3	177.4	178.4	179.4	180.4	181.4	182.5
7	171.7	172.7	173.7	174.7	175.7	176.7	177.7	178.7	179.7	180.7
8	170.1	171.1	172.1	173.1	174.1	175.1	176.1	177.1	178.1	179.1
9	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.4	176.4	177.4
1.10	167.0	168.0	168.9	169.9	170.9	171.9	172.9	173.8	174.8	175.8
1	165.5	166.4	167.4	168.4	169.4	170.3	171.3	172.3	173.3	174.2
2	164.0	164.9	165.9	166.9	167.8	168.8	169.8	170.7	171.7	172.7
3	162.5	163.5	164.4	165.4	166.4	167.3	168.3	169.2	170.2	171.1
4	161.1	162.1	163.0	164.0	164.9	165.8	166.8	167.7	168.7	169.6
1.15	159.7	160.6	161.6	162.5	163.5	164.4	165.3	166.3	167.2	168.2
6	158.3	159.3	160.2	161.1	162.1	163.0	163.9	164.9	165.8	166.7
7	157.0	158.0	158.8	159.7	160.7	161.6	162.5	163.4	164.4	165.3
8	155.6	156.6	157.5	158.4	159.3	160.2	161.1	162.1	163.0	163.9
9	154.3	155.2	156.1	157.1	158.0	158.9	159.8	160.7	161.6	162.5
1.20	153.0	153.9	154.8	155.7	156.6	157.5	158.5	159.4	160.3	161.2
1	151.8	152.7	153.6	154.5	155.4	156.2	157.1	158.0	158.9	159.8
2	150.5	151.4	152.3	153.2	154.1	155.0	155.9	156.7	157.6	158.5
3	149.3	150.2	151.1	151.9	152.8	153.7	154.6	155.5	156.3	157.2
4	148.1	149.0	149.8	150.7	151.6	152.5	153.3	154.2	155.1	156.0
1.25	146.9	147.8	148.6	149.5	150.4	151.2	152.1	153.0	153.8	154.7
6	145.8	146.6	147.5	148.3	149.2	150.0	150.9	151.8	152.6	153.5
7	144.6	145.5	146.3	147.2	148.0	148.9	149.7	150.6	151.4	152.3
8	143.5	144.3	145.2	146.0	146.9	147.7	148.5	149.4	150.2	151.1
9	142.4	143.2	144.0	144.9	145.7	146.5	147.4	148.2	149.1	149.9
1.30	141.3	142.1	142.9	143.8	144.6	145.4	146.3	147.1	147.9	148.7
1	140.2	141.0	141.8	142.7	143.5	144.3	145.1	146.0	146.8	147.6
2	139.1	139.9	140.8	141.6	142.4	143.2	144.0	144.9	145.7	146.5
3	138.1	138.9	139.7	140.5	141.3	142.1	143.0	143.8	144.6	145.4
4	137.0	137.8	138.7	139.5	140.3	141.1	141.9	142.7	143.5	144.3
1.35	136.0	136.8	137.6	138.4	139.2	140.0	140.8	141.6	142.4	143.2
6	135.0	135.8	136.6	137.4	138.2	139.0	139.8	140.6	141.4	142.2
7	134.0	134.8	135.6	136.4	137.2	138.0	138.8	139.6	140.4	141.1
8	133.1	133.8	134.6	135.4	136.2	137.0	137.8	138.6	139.3	140.1
9	132.1	132.9	133.7	134.4	135.2	136.0	136.8	137.6	138.3	139.1
1.40	131.2	131.9	132.7	133.5	134.3	135.0	135.8	136.6	137.3	138.1
1	130.2	131.0	131.8	132.5	133.3	134.1	134.8	135.6	136.4	137.1
2	129.3	130.1	130.8	131.6	132.4	133.1	133.9	134.6	135.4	136.2
3	128.4	129.2	129.9	130.7	131.4	132.2	132.9	133.7	134.5	135.2
4	127.5	128.3	129.0	129.8	130.5	131.3	132.0	132.8	133.5	134.3
1.45	126.6	127.4	128.1	128.9	129.6	130.4	131.1	131.9	132.6	133.3
6	125.8	126.5	127.2	128.0	128.7	129.5	130.2	131.0	131.7	132.4
7	124.9	125.6	126.4	127.1	127.9	128.6	129.3	130.1	130.8	131.5
8	124.1	124.8	125.5	126.3	127.0	127.7	128.5	129.2	129.9	130.6
9	123.2	124.0	124.7	125.4	126.1	126.9	127.6	128.3	129.0	129.8

Bundle weight	Beam Reading 17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
1.50	122.4	123.1	123.9	124.6	125.3	126.0	126.7	127.5	128.2	128.9
1	121.6	122.3	123.0	123.7	124.5	125.2	125.9	126.6	127.3	128.0
2	120.8	121.5	122.2	122.9	123.6	124.4	125.1	125.8	126.5	127.2
3	120.0	120.7	121.4	122.1	122.8	123.5	124.2	125.0	125.7	126.4
4	119.2	119.9	120.6	121.3	122.0	122.7	123.4	124.1	124.8	125.5
1.55	118.5	119.2	119.9	120.6	121.2	121.9	122.6	123.3	124.0	124.7
6	117.7	118.4	119.1	119.8	120.5	121.2	121.9	122.6	123.2	123.9
7	116.9	117.6	118.3	119.0	119.7	120.4	121.1	121.8	122.5	123.1
8	116.2	116.9	117.6	118.3	118.9	119.6	120.3	121.0	121.7	122.4
9	115.5	116.2	116.8	117.5	118.2	118.9	119.6	120.2	120.9	121.6
1.60	114.8	115.4	116.1	116.8	117.5	118.1	118.8	119.5	120.2	120.8
1	114.0	114.7	115.4	116.1	116.7	117.4	118.1	118.7	119.4	120.1
2	113.3	114.0	114.7	115.3	116.0	116.7	117.3	118.0	118.7	119.3
3	112.6	113.3	114.0	114.6	115.3	116.0	116.6	117.3	117.9	118.6
4	112.0	112.6	113.3	113.9	114.6	115.2	115.9	116.6	117.2	117.9
1.65	111.3	111.9	112.6	113.2	113.9	114.5	115.2	115.9	116.5	117.2
6	110.6	111.3	111.9	112.6	113.2	113.9	114.5	115.2	115.8	116.5
7	109.9	110.6	111.2	111.9	112.5	113.2	113.8	114.5	115.1	115.8
8	109.3	109.9	110.6	111.2	111.9	112.5	113.1	113.8	114.4	115.1
9	108.6	109.3	109.9	110.6	111.2	111.8	112.5	113.1	113.8	114.4
1.70	108.0	108.6	109.3	109.9	110.5	111.2	111.8	112.4	113.1	113.7
1	107.4	108.0	108.6	109.3	109.9	110.5	111.2	111.8	112.4	113.1
2	106.7	107.4	108.0	108.6	109.3	109.9	110.5	111.1	111.8	112.4
3	106.1	106.7	107.4	108.0	108.6	109.2	109.9	110.5	111.1	111.7
4	105.5	106.1	106.8	107.4	108.0	108.6	109.2	109.9	110.5	111.1
1.75	104.9	105.5	106.1	106.8	107.4	108.0	108.6	109.2	109.8	110.5
6	104.3	104.9	105.5	106.2	106.8	107.4	108.0	108.6	109.2	109.8
7	103.7	104.3	104.9	105.6	106.2	106.8	107.4	108.0	108.6	109.2
8	103.1	103.7	104.4	105.0	105.6	106.2	106.8	107.4	108.0	108.6
9	102.6	103.2	103.8	104.4	105.0	105.6	106.2	106.8	107.4	108.0
1.80	102.0	102.6	103.2	103.8	104.3	105.0	105.6	106.2	106.8	107.4
1	101.4	102.0	102.6	103.2	103.8	104.4	105.0	105.6	106.2	106.8
2	100.9	101.5	102.1	102.6	103.2	103.8	104.4	105.0	105.6	106.2
3	100.3	100.9	101.5	102.1	102.7	103.3	103.9	104.5	105.0	105.6
4	99.8	100.4	100.9	101.5	102.1	102.7	103.3	103.9	104.5	105.1
1.85	99.2	99.8	100.4	101.0	101.6	102.2	102.7	103.3	103.9	104.5
6	98.7	99.3	99.9	100.4	101.0	101.6	102.2	102.8	103.3	103.9
7	98.2	98.7	99.3	100.0	100.5	101.1	101.6	102.2	102.8	103.4
8	97.6	98.2	98.8	99.4	99.9	100.5	101.1	101.7	102.2	102.8
9	97.1	97.7	98.3	98.8	99.4	100.0	100.6	101.1	101.7	102.3
1.90	96.6	97.2	97.8	98.3	98.9	99.5	100.0	100.6	101.2	101.7
1	96.1	96.7	97.2	97.8	98.4	98.9	99.5	100.1	100.6	101.2
2	95.6	96.2	96.7	97.3	97.9	98.4	99.0	99.5	100.1	100.7
3	95.1	95.7	96.2	96.8	97.4	97.9	98.5	99.0	99.6	100.2
4	94.6	95.2	95.7	96.3	96.9	97.4	98.0	98.5	99.1	99.6
1.95	94.1	94.7	95.2	95.8	96.4	96.9	97.5	98.0	98.6	99.1
6	93.7	94.2	94.8	95.3	95.9	96.4	97.0	97.5	98.1	98.6
7	93.2	93.7	94.3	94.8	95.4	95.9	96.5	97.0	97.6	98.1
8	92.7	93.3	93.8	94.3	94.9	95.4	96.0	96.5	97.1	97.6
9	92.2	92.8	93.3	93.9	94.4	95.0	95.5	96.0	96.6	97.1

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 17.0 - 17.9

Bundle	Beam Reading									
weight	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
2.00	91.8	92.3	92.9	93.4	93.9	94.5	95.0	95.6	96.1	96.6
1	91.3	91.9	92.4	92.9	93.5	94.0	94.5	95.1	95.6	96.2
2	90.9	91.4	91.9	92.5	93.0	93.5	94.1	94.6	95.2	95.7
3	90.4	91.0	91.5	92.0	92.6	93.1	93.6	94.1	94.7	95.2
4	90.0	90.5	91.0	91.6	92.1	92.6	93.2	93.7	94.2	94.7
2.05	89.5	90.1	90.6	91.1	91.6	92.2	92.7	93.2	93.8	94.3
6	89.1	89.6	90.2	90.7	91.2	91.7	92.3	92.8	93.3	93.8
7	88.7	89.2	89.7	90.2	90.8	91.3	91.8	92.3	92.8	93.4
8	88.2	88.8	89.3	89.8	90.3	90.8	91.4	91.9	92.4	92.9
9	87.8	88.3	88.9	89.4	89.9	90.4	90.9	91.4	92.0	92.5
2.10	87.4	87.9	88.4	88.9	89.5	90.0	90.5	91.0	91.5	92.0
1	87.0	87.5	88.0	88.5	89.0	89.5	90.1	90.6	91.1	91.6
2	86.6	87.1	87.6	88.1	88.6	89.1	89.6	90.1	90.7	91.2
3	86.2	86.7	87.2	87.7	88.2	88.7	89.2	89.7	90.2	90.7
4	85.8	86.3	86.8	87.3	87.8	88.3	88.8	89.3	89.8	90.3
2.15	85.4	85.9	86.4	86.9	87.4	87.9	88.4	88.9	89.4	89.9
6	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
7	84.6	85.1	85.6	86.1	86.6	87.1	87.6	88.1	88.6	89.1
8	84.2	84.7	85.2	85.7	86.2	86.7	87.2	87.7	88.2	88.7
9	83.8	84.3	84.8	85.3	85.8	86.3	86.8	87.3	87.9	88.2
2.20	83.4	83.9	84.4	84.9	85.4	85.9	86.4	86.9	87.4	87.8
1	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.4
2	82.7	83.2	83.6	84.1	84.6	85.1	85.6	86.1	86.6	87.1
3	82.3	82.8	83.3	83.8	84.2	84.7	85.2	85.7	86.2	86.7
4	81.9	82.4	82.9	83.4	83.9	84.3	84.8	85.3	85.8	86.3
2.25	81.6	82.0	82.5	83.0	83.5	84.0	84.5	84.9	85.4	85.9
6	81.2	81.7	82.2	82.6	83.1	83.6	84.1	84.6	85.0	85.5
7	80.8	81.3	81.8	82.3	82.8	83.2	83.7	84.2	84.7	85.1
8	80.5	81.0	81.4	81.9	82.4	82.9	83.3	83.8	84.3	84.8
9	80.1	80.6	81.1	81.6	82.0	82.5	83.0	83.4	83.9	84.4
2.30	79.8	80.3	80.7	81.2	81.7	82.1	82.6	83.1	83.6	84.0
1	79.4	79.9	80.4	80.8	81.3	81.8	82.3	82.7	83.2	83.7
2	79.1	79.6	80.0	80.5	81.0	81.4	81.9	82.4	82.8	83.3
3	78.8	79.2	79.7	80.2	80.6	81.1	81.5	82.0	82.5	82.9
4	78.4	78.9	79.3	79.8	80.3	80.7	81.2	81.7	82.1	82.6
2.35	78.1	78.6	79.0	79.5	79.9	80.4	80.9	81.3	81.8	82.2
6	77.8	78.2	78.7	79.1	79.6	80.1	80.5	81.0	81.4	81.9
7	77.4	77.9	78.3	78.8	79.3	79.7	80.2	80.6	81.1	81.5
8	77.1	77.6	78.0	78.5	78.9	79.4	79.8	80.3	80.7	81.2
9	76.8	77.2	77.7	78.1	78.6	79.0	79.5	79.9	80.4	80.9
2.40	76.5	76.9	77.4	77.8	78.3	78.7	79.2	79.6	80.1	80.5
1	76.1	76.6	77.0	77.5	77.9	78.4	78.8	79.3	79.7	80.2
2	75.8	76.3	76.7	77.2	77.6	78.1	78.5	79.0	79.4	79.9
3	75.5	76.0	76.4	76.9	77.3	77.7	78.2	78.6	79.1	79.5
4	75.2	75.6	76.1	76.5	77.0	77.4	77.9	78.3	78.8	79.2
2.45	74.9	75.3	75.8	76.2	76.7	77.1	77.5	78.0	78.4	78.9
6	74.6	75.0	75.5	75.9	76.4	76.8	77.2	77.7	78.1	78.5
7	74.3	74.7	75.2	75.6	76.0	76.5	76.9	77.4	77.8	78.2
8	74.0	74.4	74.9	75.3	75.7	76.2	76.6	77.0	77.5	77.9
9	73.7	74.1	74.6	75.0	75.4	75.9	76.3	76.7	77.2	77.6

Bundle	Beam Reading									
weight	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
2.50	73.4	73.8	74.3	74.7	75.1	75.6	76.0	76.4	76.9	77.3
1	73.1	73.5	74.0	74.4	74.8	75.3	75.7	76.1	76.6	77.0
2	72.8	73.2	73.7	74.1	74.5	75.0	75.4	75.8	76.2	76.7
3	72.5	73.0	73.4	73.8	74.2	74.7	75.1	75.5	75.9	76.4
4	72.2	72.7	73.1	73.5	73.9	74.4	74.8	75.2	75.6	76.1
2.55	72.0	72.4	72.8	73.2	73.7	74.1	74.5	74.9	75.3	75.8
6	71.7	72.1	72.5	72.9	73.4	73.8	74.2	74.6	75.1	75.5
7	71.4	71.8	72.2	72.7	73.1	73.5	73.9	74.3	74.8	75.2
8	71.1	71.5	72.0	72.4	72.9	73.2	73.6	74.1	74.5	74.9
9	70.8	71.3	71.7	72.1	72.5	72.9	73.3	73.8	74.2	74.6
2.60	70.6	71.0	71.4	71.8	72.2	72.7	73.1	73.5	73.9	74.3
1	70.3	70.7	71.1	71.5	72.0	72.4	72.8	73.2	73.6	74.0
2	70.0	70.4	70.9	71.3	71.7	72.1	72.5	72.9	73.3	73.7
3	69.8	70.2	70.6	71.0	71.4	71.8	72.2	72.6	73.1	73.5
4	69.5	69.9	70.3	70.7	71.1	71.5	72.0	72.4	72.8	73.2
2.65	69.2	69.6	70.1	70.5	70.9	71.3	71.7	72.1	72.5	72.9
6	69.0	69.4	69.8	70.2	70.6	71.0	71.4	71.8	72.2	72.6
7	68.7	69.1	69.5	69.9	70.3	70.7	71.1	71.6	72.0	72.4
8	68.5	68.9	69.3	69.7	70.1	70.5	70.9	71.3	71.7	72.1
9	68.2	68.6	69.0	69.4	69.8	70.2	70.6	71.0	71.4	71.8
2.70	68.0	68.4	68.8	69.2	69.6	70.0	70.4	70.8	71.2	71.6
1	67.7	68.1	68.5	68.9	69.3	69.7	70.1	70.5	70.9	71.3
2	67.5	67.8	68.2	68.6	69.0	69.4	69.8	70.2	70.6	71.0
3	67.2	67.6	68.0	68.4	68.8	69.2	69.6	70.0	70.4	70.8
4	67.0	67.4	67.7	68.1	68.5	68.9	69.3	69.7	70.1	70.5
2.75	66.7	67.1	67.5	67.9	68.3	68.7	69.1	69.5	69.9	70.3
6	66.5	66.9	67.3	67.6	68.0	68.4	68.8	69.2	69.6	70.0
7	66.2	66.6	67.0	67.4	67.8	68.2	68.6	69.0	69.4	69.7
8	66.0	66.4	66.8	67.2	67.5	67.9	68.3	68.7	69.1	69.5
9	65.8	66.1	66.5	66.9	67.3	67.7	68.1	68.5	68.9	69.2
2.80	65.5	65.9	66.3	66.7	67.1	67.5	67.8	68.2	68.6	69.0
1	65.3	65.7	66.1	66.4	66.8	67.2	67.6	68.0	68.4	68.8
2	65.1	65.4	65.8	66.2	66.6	67.0	67.4	67.7	68.1	68.5
3	64.8	65.2	65.6	66.0	66.4	66.7	67.1	67.5	67.9	68.3
4	64.6	65.0	65.4	65.7	66.1	66.5	66.9	67.3	67.6	68.0
2.85	64.4	64.7	65.1	65.5	65.9	66.3	66.6	67.0	67.4	67.8
6	64.1	64.5	64.9	65.3	65.7	66.0	66.4	66.8	67.2	67.5
7	63.9	64.3	64.7	65.1	65.4	65.8	66.2	66.6	66.9	67.3
8	63.7	64.1	64.4	64.8	65.2	65.6	66.0	66.3	66.7	67.1
9	63.5	63.9	64.2	64.6	65.0	65.3	65.7	66.1	66.5	66.8
2.90	63.3	63.6	64.0	64.4	64.7	65.1	65.5	65.9	66.2	66.6
1	63.0	63.4	63.8	64.2	64.5	64.9	65.3	65.6	66.0	66.4
2	62.8	63.2	63.6	63.9	64.3	64.7	65.0	65.4	65.8	66.2
3	62.6	63.0	63.3	63.7	64.1	64.5	64.8	65.2	65.6	65.9
4	62.4	62.8	63.1	63.5	63.9	64.2	64.6	65.0	65.3	65.7
2.95	62.2	62.6	62.9	63.3	63.7	64.0	64.4	64.7	65.1	65.5
6	62.0	62.3	62.7	63.1	63.4	63.8	64.2	64.5	64.9	65.3
7	61.8	62.1	62.5	62.9	63.2	63.6	63.9	64.3	64.7	65.0
8	61.6	61.9	62.3	62.6	63.0	63.4	63.7	64.1	64.5	64.8
9	61.4	61.7	62.1	62.4	62.8	63.2	63.5	63.9	64.2	64.6

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 18.0 - 18.9

Bundle weight	Beam reading 18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
1.50	129.6	130.3	131.1	131.8	132.5	133.2	133.9	134.7	135.4	136.1
1	128.8	129.5	130.2	130.9	131.6	132.3	133.1	133.8	134.5	135.2
2	127.9	128.6	129.3	130.0	130.8	131.5	132.2	132.9	133.6	134.3
3	127.1	127.8	128.5	129.2	129.9	130.6	131.3	132.0	132.7	133.4
4	126.2	127.0	127.7	128.4	129.1	129.8	130.5	131.2	131.9	132.6
1.55	125.4	126.1	126.8	127.5	128.2	128.9	129.6	130.3	131.0	131.7
6	124.6	125.3	126.0	126.7	127.4	128.1	128.8	129.5	130.2	130.9
7	123.8	124.5	125.2	125.9	126.6	127.3	128.0	128.7	129.3	130.0
8	123.1	123.7	124.4	125.1	125.8	126.5	127.2	127.8	128.5	129.2
9	122.3	123.0	123.6	124.3	125.0	125.7	126.4	127.0	127.7	128.4
1.60	121.5	122.2	122.9	123.5	124.2	124.9	125.6	126.2	126.9	127.6
1	120.8	121.4	122.1	122.8	123.4	124.1	124.8	125.5	126.1	126.8
2	120.0	120.7	121.3	122.0	122.7	123.3	124.0	124.7	125.3	126.0
3	119.3	119.9	120.6	121.3	121.9	122.6	123.3	123.9	124.6	125.2
4	118.5	119.2	119.9	120.5	121.2	121.8	122.5	123.2	123.8	124.5
1.65	117.8	118.5	119.1	119.8	120.4	121.1	121.8	122.4	123.1	123.7
6	117.1	117.8	118.4	119.1	119.7	120.4	121.0	121.7	122.3	123.0
7	116.4	117.1	117.7	118.4	119.0	119.6	120.3	120.9	121.6	122.2
8	115.7	116.4	117.0	117.6	118.3	118.9	119.6	120.2	120.9	121.5
9	115.0	115.7	116.3	117.0	117.6	118.2	118.9	119.5	120.2	120.8
1.70	114.4	115.0	115.6	116.3	116.9	117.5	118.2	118.8	119.4	120.1
1	113.7	114.3	115.0	115.6	116.2	116.8	117.5	118.1	118.7	119.4
2	113.0	113.7	114.3	114.9	115.5	116.2	116.8	117.4	118.1	118.7
3	112.4	113.0	113.6	114.2	114.9	115.5	116.1	116.7	117.4	118.0
4	111.7	112.3	113.0	113.6	114.2	114.8	115.5	116.1	116.7	117.3
1.75	111.1	111.7	112.3	112.9	113.6	114.2	114.8	115.4	116.0	116.6
6	110.5	111.1	111.7	112.3	112.9	113.5	114.1	114.8	115.4	116.0
7	109.8	110.4	111.1	111.7	112.3	112.9	113.5	114.1	114.7	115.3
8	109.2	109.8	110.4	111.0	111.6	112.2	112.9	113.5	114.1	114.7
9	108.6	109.2	109.8	110.4	111.0	111.6	112.2	112.8	113.4	114.0
1.80	108.0	108.6	109.2	109.8	110.4	111.0	111.6	112.2	112.8	113.4
1	107.4	108.0	108.6	109.2	109.8	110.4	111.0	111.6	112.2	112.8
2	106.8	107.4	108.0	108.6	109.2	109.8	110.4	111.0	111.6	112.2
3	106.2	106.8	107.4	108.0	108.6	109.2	109.8	110.4	110.9	111.5
4	105.6	106.2	106.8	107.4	108.0	108.6	109.2	109.8	110.3	110.9
1.85	105.1	105.7	106.2	106.8	107.4	108.0	108.6	109.2	109.7	110.3
6	104.5	105.1	105.7	106.3	106.8	107.4	108.0	108.6	109.2	109.7
7	103.9	104.5	105.1	105.7	106.3	106.8	107.4	108.0	108.6	109.2
8	103.4	104.0	104.5	105.1	105.7	106.3	106.8	107.4	108.0	108.6
9	102.8	103.4	104.0	104.6	105.1	105.7	106.3	106.9	107.4	108.0
1.90	102.3	102.9	103.4	104.0	104.6	105.2	105.7	106.3	106.9	107.4
1	101.8	102.4	102.9	103.5	104.0	104.6	105.2	105.7	106.3	106.9
2	101.2	101.8	102.4	102.9	103.5	104.1	104.6	105.2	105.7	106.3
3	100.7	101.3	101.8	102.4	103.0	103.5	104.1	104.6	105.2	105.8
4	100.2	100.8	101.3	101.9	102.4	103.0	103.5	104.1	104.6	105.2
1.95	99.7	100.2	100.8	101.3	101.9	102.5	103.0	103.6	104.1	104.7
6	99.2	99.7	100.3	100.8	101.4	101.9	102.5	103.0	103.6	104.1
7	98.7	99.2	99.8	100.3	100.9	101.4	102.0	102.5	103.1	103.6
8	98.2	98.7	99.3	99.8	100.4	100.9	101.4	102.0	102.5	103.1
9	97.7	98.2	98.8	99.3	99.8	100.4	100.9	101.5	102.0	102.6

Bundle weight	Beam reading 18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
2.00	97.2	97.7	98.3	98.8	99.3	99.9	100.4	101.0	101.5	102.0
1	96.7	97.2	97.8	98.3	98.9	99.4	99.9	100.5	101.0	101.5
2	96.2	96.8	97.3	97.8	98.4	98.9	99.4	100.0	100.5	101.0
3	95.7	96.3	96.8	97.3	97.9	98.4	98.9	99.5	100.0	100.5
4	95.3	95.8	96.3	96.9	97.4	97.9	98.5	99.0	99.5	100.0
2.05	94.8	95.3	95.9	96.4	96.9	97.4	98.0	98.5	99.0	99.6
6	94.4	94.9	95.4	95.9	96.4	97.0	97.5	98.0	98.5	99.1
7	93.9	94.4	94.9	95.5	96.0	96.5	97.0	97.6	98.1	98.6
8	93.4	94.0	94.5	95.0	95.5	96.0	96.6	97.1	97.6	98.1
9	93.0	93.5	94.0	94.5	95.1	95.6	96.1	96.6	97.1	97.6
2.10	92.6	93.1	93.6	94.1	94.6	95.1	95.6	96.2	96.7	97.2
1	92.1	92.6	93.1	93.6	94.2	94.7	95.2	95.7	96.2	96.7
2	91.7	92.2	92.7	93.2	93.7	94.2	94.7	95.2	95.8	96.3
3	91.2	91.8	92.3	92.8	93.3	93.8	94.3	94.8	95.3	95.8
4	90.8	91.3	91.8	92.3	92.8	93.3	93.8	94.4	94.9	95.4
2.15	90.4	90.9	91.4	91.9	92.4	92.9	93.4	93.9	94.4	94.9
6	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5
7	89.6	90.1	90.6	91.1	91.6	92.1	92.6	93.0	93.5	94.0
8	89.2	89.6	90.1	90.6	91.1	91.6	92.1	92.6	93.1	93.6
9	88.7	89.2	89.7	90.2	90.7	91.2	91.7	92.2	92.7	93.2
2.20	88.3	88.8	89.3	89.8	90.3	90.8	91.3	91.8	92.3	92.8
1	87.9	88.4	88.9	89.4	89.9	90.4	90.9	91.4	91.9	92.3
2	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.4	91.9
3	87.1	87.6	88.1	88.6	89.1	89.6	90.1	90.5	91.0	91.5
4	86.8	87.2	87.7	88.2	88.7	89.2	89.7	90.1	90.6	91.1
2.25	86.4	86.9	87.3	87.8	88.3	88.8	89.3	89.7	90.2	90.7
6	86.0	86.5	86.9	87.4	87.9	88.4	88.9	89.3	89.8	90.3
7	85.6	86.1	86.6	87.0	87.5	88.0	88.5	88.9	89.4	89.9
8	85.2	85.7	86.2	86.7	87.1	87.6	88.1	88.6	89.0	89.5
9	84.9	85.3	85.8	86.3	86.8	87.2	87.7	88.2	88.6	89.1
2.30	84.5	85.0	85.4	85.9	86.4	86.8	87.3	87.8	88.3	88.7
1	84.1	84.6	85.1	85.5	86.0	86.5	86.9	87.4	87.9	88.3
2	83.8	84.2	84.7	85.2	85.6	86.1	86.6	87.0	87.5	88.0
3	83.4	83.9	84.3	84.8	85.3	85.7	86.2	86.7	87.1	87.6
4	83.0	83.5	84.0	84.4	84.9	85.4	85.8	86.3	86.7	87.2
2.35	82.7	83.2	83.6	84.1	84.5	85.0	85.5	85.9	86.4	86.8
6	82.3	82.8	83.3	83.7	84.2	84.6	85.1	85.5	86.0	86.5
7	82.0	82.4	82.9	83.4	83.8	84.3	84.7	85.2	85.6	86.1
8	81.6	82.1	82.6	83.0	83.5	83.9	84.4	84.8	85.3	85.7
9	81.3	81.8	82.2	82.7	83.1	83.6	84.0	84.5	84.9	85.4
2.40	81.0	81.4	81.9	82.3	82.8	83.2	83.7	84.1	84.6	85.0
1	80.6	81.1	81.5	82.0	82.4	82.9	83.3	83.8	84.2	84.7
2	80.3	80.7	81.2	81.6	82.1	82.5	83.0	83.4	83.9	84.3
3	80.0	80.4	80.9	81.3	81.7	82.2	82.6	83.1	83.5	84.0
4	79.6	80.1	80.5	81.0	81.4	81.9	82.3	82.7	83.2	83.6
2.45	79.3	79.8	80.2	80.6	81.1	81.5	82.0	82.4	82.8	83.3
6	79.0	79.4	79.9	80.3	80.7	81.2	81.6	82.1	82.5	82.9
7	78.7	79.1	79.5	80.0	80.4	80.9	81.3	81.7	82.2	82.6
8	78.4	78.8	79.2	79.7	80.1	80.5	81.0	81.4	81.8	82.3
9	78.0	78.5	78.9	79.3	79.8	80.2	80.6	81.1	81.5	81.9

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 18.0 - 18.9

Bundle weight	Beam reading 18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
2.50	77.7	78.2	78.6	79.0	79.5	79.9	80.3	80.8	81.2	81.6
1	77.4	77.8	78.3	78.7	79.1	79.6	80.0	80.4	80.9	81.3
2	77.1	77.5	78.0	78.4	78.8	79.3	79.7	80.1	80.5	81.0
3	76.8	77.2	77.7	78.1	78.5	78.9	79.4	79.8	80.2	80.6
4	76.5	76.9	77.3	77.8	78.2	78.6	79.1	79.5	79.9	80.3
2.55	76.2	76.6	77.0	77.5	77.9	78.3	78.7	79.2	79.6	80.0
6	75.9	76.3	76.7	77.2	77.6	78.0	78.4	78.9	79.3	79.7
7	75.6	76.0	76.4	76.9	77.3	77.7	78.1	78.5	79.0	79.4
8	75.3	75.7	76.1	76.6	77.0	77.4	77.8	78.2	78.7	79.1
9	75.0	75.4	75.9	76.3	76.7	77.1	77.5	77.9	78.4	78.8
2.60	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.1	78.5
1	74.4	74.9	75.3	75.7	76.1	76.5	76.9	77.3	77.8	78.2
2	74.2	74.6	75.0	75.4	75.8	76.2	76.6	77.0	77.5	77.9
3	73.9	74.3	74.7	75.1	75.5	75.9	76.3	76.8	77.2	77.6
4	73.6	74.0	74.4	74.8	75.2	75.6	76.1	76.5	76.9	77.3
2.65	73.3	73.7	74.1	74.5	74.9	75.4	75.8	76.2	76.6	77.0
6	73.0	73.4	73.9	74.3	74.7	75.1	75.5	75.9	76.3	76.7
7	72.8	73.2	73.6	74.0	74.4	74.8	75.2	75.6	76.0	76.4
8	72.5	72.9	73.3	73.7	74.1	74.5	74.9	75.3	75.7	76.1
9	72.2	72.6	73.0	73.4	73.8	74.2	74.6	75.0	75.4	75.8
2.70	72.0	72.4	72.8	73.2	73.6	74.0	74.4	74.8	75.2	75.6
1	71.7	72.1	72.5	72.9	73.3	73.7	74.1	74.5	74.9	75.3
2	71.4	71.8	72.2	72.6	73.0	73.4	73.8	74.2	74.6	75.0
3	71.2	71.6	72.0	72.4	72.7	73.1	73.5	73.9	74.3	74.7
4	70.9	71.3	71.7	72.1	72.5	72.9	73.3	73.7	74.1	74.5
2.75	70.6	71.0	71.4	71.8	72.2	72.6	73.0	73.4	73.8	74.2
6	70.4	70.8	71.2	71.6	72.0	72.3	72.7	73.1	73.5	73.9
7	70.1	70.5	70.9	71.3	71.7	72.1	72.5	72.9	73.3	73.6
8	69.9	70.3	70.7	71.0	71.4	71.8	72.2	72.6	73.0	73.4
9	69.6	70.0	70.4	70.8	71.2	71.6	72.0	72.3	72.7	73.1
2.80	69.4	69.8	70.2	70.5	70.9	71.3	71.7	72.1	72.5	72.9
1	69.1	69.5	69.9	70.3	70.7	71.1	71.4	71.8	72.2	72.6
2	68.9	69.3	69.7	70.0	70.4	70.8	71.2	71.6	72.0	72.3
3	68.6	69.0	69.4	69.8	70.2	70.6	70.9	71.3	71.7	72.1
4	68.4	68.8	69.2	69.5	69.9	70.3	70.7	71.1	71.4	71.8
2.85	68.2	68.5	68.9	69.3	69.7	70.1	70.4	70.8	71.2	71.6
6	67.9	68.3	68.7	69.1	69.4	69.8	70.2	70.6	70.9	71.3
7	67.7	68.1	68.4	68.8	69.2	69.6	69.9	70.3	70.7	71.1
8	67.5	67.8	68.2	68.6	69.0	69.3	69.7	70.1	70.5	70.8
9	67.2	67.6	68.0	68.3	68.7	69.1	69.5	69.8	70.2	70.6
2.90	67.0	67.4	67.7	68.1	68.5	68.9	69.2	69.6	70.0	70.3
1	66.8	67.1	67.5	67.9	68.2	68.6	69.0	69.4	69.7	70.1
2	66.5	66.9	67.3	67.6	68.0	68.4	68.7	69.1	69.5	69.9
3	66.3	66.7	67.0	67.4	67.8	68.1	68.5	68.9	69.3	69.6
4	66.1	66.4	66.8	67.2	67.5	67.9	68.3	68.6	69.0	69.4
2.95	65.8	66.2	66.6	66.9	67.3	67.7	68.0	68.4	68.8	69.1
6	65.6	66.0	66.4	66.7	67.1	67.5	67.8	68.2	68.5	68.9
7	65.4	65.8	66.1	66.5	66.9	67.2	67.6	68.0	68.3	68.7
8	65.2	65.5	65.9	66.3	66.6	67.0	67.4	67.7	68.1	68.5
9	65.0	65.3	65.7	66.1	66.4	66.8	67.1	67.5	67.9	68.2

Bundle weight	Beam reading 18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
3.00	64.7	65.1	65.5	65.8	66.2	66.6	66.9	67.3	67.6	68.0
1	64.5	64.9	65.3	65.6	66.0	66.3	66.7	67.0	67.4	67.8
2	64.3	64.7	65.0	65.4	65.8	66.1	66.5	66.8	67.2	67.5
3	64.1	64.5	64.8	65.2	65.5	65.9	66.2	66.6	67.0	67.3
4	63.9	64.3	64.6	65.0	65.3	65.7	66.0	66.4	66.7	67.1
3.05	63.7	64.0	64.4	64.7	65.1	65.5	65.8	66.2	66.5	66.9
6	63.5	63.8	64.2	64.5	64.9	65.2	65.6	66.0	66.3	66.7
7	63.3	63.6	64.0	64.3	64.7	65.0	65.4	65.7	66.1	66.4
8	63.1	63.4	63.8	64.1	64.5	64.8	65.2	65.5	65.9	66.2
9	62.9	63.2	63.6	63.9	64.3	64.6	65.0	65.3	65.7	66.0
3.10	62.7	63.0	63.4	63.7	64.1	64.4	64.7	65.1	65.4	65.8
1	62.5	62.8	63.2	63.5	63.8	64.2	64.5	64.9	65.2	65.6
2	62.3	62.6	62.9	63.3	63.6	64.0	64.3	64.7	65.0	65.4
3	62.1	62.4	62.7	63.1	63.4	63.8	64.1	64.5	64.8	65.2
4	61.9	62.2	62.5	62.9	63.2	63.6	63.9	64.3	64.6	65.0
3.15	61.7	62.0	62.3	62.7	63.0	63.4	63.7	64.1	64.4	64.7
6	61.5	61.8	62.1	62.5	62.8	63.2	63.5	63.9	64.2	64.5
7	61.3	61.6	62.0	62.3	62.6	63.0	63.3	63.7	64.0	64.3
8	61.1	61.4	61.8	62.1	62.4	62.8	63.1	63.5	63.8	64.1
9	60.9	61.2	61.6	61.9	62.2	62.6	62.9	63.3	63.6	63.9
3.20	60.7	61.0	61.4	61.7	62.0	62.4	62.7	63.1	63.4	63.7
1	60.5	60.8	61.2	61.5	61.9	62.2	62.5	62.9	63.2	63.5
2	60.3	60.7	61.0	61.3	61.7	62.0	62.3	62.7	63.0	63.3
3	60.1	60.5	60.8	61.1	61.5	61.8	62.1	62.5	62.8	63.1
4	59.9	60.3	60.6	60.9	61.3	61.6	61.9	62.3	62.6	62.9
3.25	59.8	60.1	60.4	60.8	61.1	61.4	61.8	62.1	62.4	62.8
6	59.6	59.9	60.3	60.6	60.9	61.2	61.6	61.9	62.2	62.6
7	59.4	59.7	60.1	60.4	60.7	61.0	61.4	61.7	62.0	62.4
8	59.2	59.5	59.9	60.2	60.5	60.9	61.2	61.5	61.8	62.2
9	59.0	59.4	59.7	60.0	60.3	60.7	61.0	61.3	61.7	62.0
3.30	58.9	59.2	59.5	59.8	60.2	60.5	60.8	61.1	61.5	61.8
1	58.7	59.0	59.3	59.7	60.0	60.3	60.6	61.0	61.3	61.6
2	58.5	58.8	59.1	59.5	59.8	60.1	60.5	60.8	61.1	61.4
3	58.3	58.6	59.0	59.3	59.6	59.9	60.3	60.6	60.9	61.2
4	58.1	58.5	58.8	59.1	59.4	59.8	60.1	60.4	60.7	61.1
3.35	58.0	58.3	58.6	58.9	59.3	59.6	59.9	60.2	60.6	60.9
6	57.8	58.1	58.4	58.8	59.1	59.4	59.7	60.1	60.4	60.7
7	57.6	57.9	58.3	58.6	58.9	59.2	59.6	59.9	60.2	60.5
8	57.5	57.8	58.1	58.4	58.7	59.1	59.4	59.7	60.0	60.3
9	57.3	57.6	57.9	58.2	58.6	58.9	59.2	59.5	59.8	60.2
3.40	57.1	57.4	57.8	58.1	58.4	58.7	59.0	59.3	59.7	60.0
1	57.0	57.3	57.6	57.9	58.2	58.5	58.9	59.2	59.5	59.8
2	56.8	57.1	57.4	57.7	58.0	58.4	58.7	59.0	59.3	59.6
3	56.6	56.9	57.2	57.6	57.9	58.2	58.5	58.8	59.1	59.5
4	56.5	56.8	57.1	57.4	57.7	58.0	58.3	58.7	59.0	59.3
3.45	56.3	56.6	56.9	57.2	57.5	57.9	58.2	58.5	58.8	59.1
6	56.1	56.4	56.8	57.1	57.4	57.7	58.0	58.3	58.6	58.9
7	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.1	58.5	58.8
8	55.8	56.1	56.4	56.7	57.0	57.4	57.7	58.0	58.3	58.6
9	55.6	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.1	58.4

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 19.0 - 19.9

Bundle weight	Beam Reading 19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
1.50	136.8	137.5	138.3	139.0	139.7	140.4	141.2	141.9	142.6	143.3
1	135.9	136.6	137.4	138.1	138.8	139.5	140.2	140.9	141.6	142.4
2	135.0	135.7	136.4	137.2	137.9	138.6	139.3	140.0	140.7	141.4
3	134.1	134.8	135.6	136.3	137.0	137.7	138.4	139.1	139.8	140.5
4	133.3	134.0	134.7	135.4	136.1	136.8	137.5	138.2	138.9	139.6
1.55	132.4	133.1	133.8	134.5	135.2	135.9	136.6	137.3	138.0	138.7
6	131.6	132.3	132.9	133.6	134.3	135.0	135.7	136.4	137.1	137.8
7	130.7	131.4	132.1	132.8	133.5	134.2	134.9	135.5	136.2	136.9
8	129.9	130.6	131.3	131.9	132.6	133.3	134.0	134.7	135.4	136.1
9	129.1	129.8	130.4	131.1	131.8	132.5	133.2	133.8	134.5	135.2
1.60	128.3	128.9	129.6	130.3	131.0	131.6	132.3	133.0	133.7	134.3
1	127.5	128.1	128.8	129.5	130.2	130.8	131.5	132.2	132.8	133.5
2	126.7	127.4	128.0	128.7	129.4	130.0	130.7	131.4	132.0	132.7
3	125.9	126.6	127.2	127.9	128.6	129.2	129.9	130.5	131.2	131.9
4	125.1	125.8	126.5	127.1	127.8	128.4	129.1	129.8	130.4	131.1
1.65	124.4	125.0	125.7	126.3	127.0	127.7	128.3	129.0	129.6	130.3
6	123.6	124.3	124.9	125.6	126.2	126.9	127.5	128.2	128.8	129.5
7	122.9	123.5	124.2	124.8	125.5	126.1	126.8	127.4	128.1	128.7
8	122.2	122.8	123.4	124.1	124.7	125.4	126.0	126.7	127.3	127.9
9	121.4	122.1	122.7	123.3	124.0	124.6	125.3	125.9	126.5	127.2
1.70	120.7	121.4	122.0	122.6	123.3	123.9	124.5	125.2	125.8	126.4
1	120.0	120.6	121.3	121.9	122.5	123.2	123.8	124.4	125.1	125.7
2	119.3	119.9	120.6	121.2	121.8	122.5	123.1	123.7	124.3	125.0
3	118.6	119.2	119.9	120.5	121.1	121.7	122.4	123.0	123.6	124.2
4	117.9	118.6	119.2	119.8	120.4	121.0	121.7	122.3	122.9	123.5
1.75	117.3	117.9	118.5	119.1	119.7	120.4	121.0	121.6	122.2	122.8
6	116.6	117.2	117.8	118.4	119.1	119.7	120.3	120.9	121.5	122.1
7	115.9	116.5	117.2	117.8	118.4	119.0	119.6	120.2	120.8	121.4
8	115.3	115.9	116.5	117.1	117.7	118.3	118.9	119.5	120.1	120.8
9	114.6	115.2	115.8	116.5	117.1	117.7	118.3	118.9	119.5	120.1
1.80	114.0	114.6	115.2	115.8	116.4	117.0	117.6	118.2	118.8	119.4
1	113.4	114.0	114.6	115.2	115.8	116.4	117.0	117.6	118.2	118.7
2	112.7	113.3	113.9	114.5	115.1	115.7	116.3	116.9	117.5	118.1
3	112.1	112.7	113.3	113.9	114.5	115.1	115.7	116.3	116.9	117.4
4	111.5	112.1	112.7	113.3	113.9	114.5	115.0	115.6	116.2	116.8
1.85	110.9	111.5	112.1	112.7	113.3	113.8	114.4	115.0	115.6	116.2
6	110.3	110.9	111.5	112.1	112.6	113.2	113.8	114.4	115.0	115.6
7	109.7	110.3	110.9	111.5	112.0	112.6	113.2	113.8	114.4	114.9
8	109.1	109.7	110.3	110.9	111.4	112.0	112.6	113.2	113.7	114.3
9	108.6	109.1	109.7	110.3	110.9	111.4	112.0	112.6	113.1	113.7
1.90	108.0	108.6	109.1	109.7	110.3	110.8	111.4	112.0	112.5	113.1
1	107.4	108.0	108.6	109.1	109.7	110.3	110.8	111.4	112.0	112.5
2	106.9	107.4	108.0	108.6	109.1	109.7	110.2	110.8	111.4	111.9
3	106.3	106.9	107.4	108.0	108.6	109.1	109.7	110.2	110.8	111.4
4	105.8	106.3	106.9	107.4	108.0	108.6	109.1	109.7	110.2	110.8
1.95	105.2	105.8	106.3	106.9	107.4	108.0	108.6	109.1	109.7	110.2
6	104.7	105.2	105.8	106.3	106.9	107.4	108.0	108.5	109.1	109.7
7	104.2	104.7	105.3	105.8	106.3	106.9	107.4	108.0	108.5	109.1
8	103.6	104.2	104.7	105.3	105.8	106.4	106.9	107.4	108.0	108.5
9	103.1	103.6	104.2	104.7	105.3	105.8	106.4	106.9	107.5	108.0

Bundle weight	Beam Reading 19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
2.00	102.6	103.1	103.7	104.2	104.8	105.3	105.8	106.4	106.9	107.5
1	102.1	102.6	103.2	103.7	104.2	104.8	105.3	105.8	106.4	106.9
2	101.6	102.1	102.6	103.2	103.7	104.2	104.8	105.3	105.9	106.4
3	101.1	101.6	102.1	102.7	103.2	103.7	104.3	104.8	105.3	105.9
4	100.6	101.1	101.6	102.2	102.7	103.2	103.8	104.3	104.8	105.3
2.05	100.1	100.6	101.1	101.7	102.2	102.7	103.2	103.8	104.3	104.8
6	99.6	100.1	100.6	101.2	101.7	102.2	102.7	103.3	103.8	104.3
7	99.1	99.6	100.2	100.7	101.2	101.7	102.3	102.8	103.3	103.8
8	98.6	99.2	99.7	100.2	100.7	101.2	101.8	102.3	102.8	103.3
9	98.2	98.7	99.2	99.7	100.2	100.8	101.3	101.8	102.3	102.8
2.10	97.7	98.2	98.7	99.2	99.8	100.3	100.8	101.3	101.8	102.3
1	97.2	97.7	98.3	98.8	99.3	99.8	100.3	100.8	101.3	101.8
2	96.8	97.3	97.8	98.3	98.8	99.3	99.8	100.3	100.9	101.4
3	96.3	96.8	97.3	97.8	98.4	98.9	99.4	99.9	100.4	100.9
4	95.9	96.4	96.9	97.4	97.9	98.4	98.9	99.4	99.9	100.4
2.15	95.4	95.9	96.4	96.9	97.4	97.9	98.4	98.9	99.4	100.0
6	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5
7	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0
8	94.1	94.6	95.1	95.6	96.1	96.6	97.1	97.6	98.1	98.6
9	93.7	94.2	94.7	95.2	95.7	96.1	96.6	97.1	97.6	98.1
2.20	93.3	93.7	94.2	94.7	95.2	95.7	96.2	96.7	97.2	97.7
1	92.8	93.3	93.8	94.3	94.8	95.3	95.8	96.3	96.7	97.2
2	92.4	92.9	93.4	93.9	94.4	94.8	95.3	95.8	96.3	96.8
3	92.0	92.5	93.0	93.5	93.9	94.4	94.9	95.4	95.9	96.4
4	91.6	92.1	92.6	93.0	93.5	94.0	94.5	95.0	95.4	95.9
2.25	91.2	91.7	92.1	92.6	93.1	93.6	94.1	94.5	95.0	95.5
6	90.8	91.3	91.7	92.2	92.7	93.2	93.6	94.1	94.6	95.1
7	90.4	90.8	91.3	91.8	92.3	92.8	93.2	93.7	94.2	94.7
8	90.0	90.5	90.9	91.4	91.9	92.3	92.8	93.3	93.8	94.2
9	89.6	90.1	90.5	91.0	91.5	91.9	92.4	92.9	93.4	93.8
2.30	89.2	89.7	90.1	90.6	91.1	91.5	92.0	92.5	93.0	93.4
1	88.8	89.3	89.7	90.2	90.7	91.1	91.6	92.1	92.6	93.0
2	88.4	88.9	89.4	89.8	90.3	90.8	91.2	91.7	92.2	92.6
3	88.0	88.5	89.0	89.4	89.9	90.4	90.8	91.3	91.8	92.2
4	87.7	88.1	88.6	89.1	89.5	90.0	90.4	90.9	91.4	91.8
2.35	87.3	87.8	88.2	88.7	89.1	89.6	90.1	90.5	91.0	91.4
6	86.9	87.4	87.8	88.3	88.8	89.2	89.7	90.1	90.6	91.0
7	86.6	87.0	87.5	87.9	88.4	88.8	89.3	89.7	90.2	90.7
8	86.2	86.6	87.1	87.6	88.0	88.5	88.9	89.4	89.8	90.3
9	85.8	86.3	86.7	87.2	87.6	88.1	88.5	89.0	89.4	89.9
2.40	85.5	85.9	86.4	86.8	87.3	87.7	88.2	88.6	89.1	89.5
1	85.1	85.6	86.0	86.5	86.9	87.4	87.8	88.3	88.7	89.2
2	84.8	85.2	85.7	86.1	86.6	87.0	87.4	87.9	88.3	88.8
3	84.4	84.9	85.3	85.7	86.2	86.6	87.1	87.5	88.0	88.4
4	84.1	84.5	85.0	85.4	85.8	86.3	86.7	87.2	87.6	88.1
2.45	83.7	84.2	84.6	85.0	85.5	85.9	86.4	86.8	87.3	87.7
6	83.4	83.8	84.3	84.7	85.1	85.6	86.0	86.5	86.9	87.3
7	83.0	83.5	83.9	84.4	84.8	85.2	85.7	86.1	86.5	87.0
8	82.7	83.1	83.6	84.0	84.5	84.9	85.3	85.8	86.2	86.6
9	82.4	82.8	83.2	83.7	84.1	84.5	85.0	85.4	85.9	86.3

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 19.0 - 19.9

Bundle weight	Beam reading 19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
2.50	82.0	82.5	82.9	83.3	83.8	84.2	84.6	85.1	85.5	85.9
1	81.7	82.2	82.6	83.0	83.4	83.9	84.3	84.7	85.2	85.6
2	81.4	81.8	82.3	82.7	83.1	83.5	84.0	84.4	84.8	85.3
3	81.1	81.5	81.9	82.4	82.8	83.2	83.6	84.1	84.5	84.9
4	80.8	81.2	81.6	82.0	82.5	82.9	83.3	83.7	84.2	84.6
2.55	80.4	80.9	81.3	81.7	82.1	82.6	83.0	83.4	83.8	84.3
6	80.1	80.5	81.0	81.4	81.8	82.2	82.7	83.1	83.5	83.9
7	79.8	80.2	80.7	81.1	81.5	81.9	82.3	82.8	83.2	83.6
8	79.5	79.9	80.3	80.8	81.2	81.6	82.0	82.4	82.9	83.3
9	79.2	79.6	80.0	80.4	80.9	81.3	81.7	82.1	82.5	82.9
2.60	78.9	79.3	79.7	80.1	80.6	81.0	81.4	81.8	82.2	82.6
1	78.6	79.0	79.4	79.8	80.2	80.7	81.1	81.5	81.9	82.3
2	78.3	78.7	79.1	79.5	79.9	80.3	80.8	81.2	81.6	82.0
3	78.0	78.4	78.8	79.2	79.6	80.0	80.5	80.9	81.3	81.7
4	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.6	81.0	81.4
2.65	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.3	80.7	81.1
6	77.1	77.5	77.9	78.3	78.7	79.1	79.5	80.0	80.4	80.8
7	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.7	80.1	80.5
8	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.4	79.8	80.2
9	76.2	76.6	77.0	77.5	77.9	78.3	78.7	79.1	79.5	79.9
2.70	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6
1	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
2	75.4	75.8	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0
3	75.1	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7
4	74.9	75.2	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4
2.75	74.6	75.0	75.4	75.8	76.2	76.5	76.9	77.3	77.7	78.1
6	74.3	74.7	75.1	75.5	75.9	76.3	76.7	77.0	77.4	77.8
7	74.0	74.4	74.8	75.2	75.6	76.0	76.4	76.8	77.2	77.6
8	73.8	74.2	74.6	74.9	75.3	75.7	76.1	76.5	76.9	77.3
9	73.5	73.9	74.3	74.7	75.1	75.4	75.8	76.2	76.6	77.0
2.80	73.2	73.6	74.0	74.4	74.8	75.2	75.6	75.9	76.3	76.7
1	73.0	73.4	73.8	74.1	74.5	74.9	75.3	75.7	76.1	76.4
2	72.7	73.1	73.5	73.9	74.3	74.6	75.0	75.4	75.8	76.2
3	72.5	72.8	73.2	73.6	74.0	74.4	74.8	75.1	75.5	75.9
4	72.2	72.6	73.0	73.4	73.7	74.1	74.5	74.9	75.3	75.6
2.85	72.0	72.3	72.7	73.1	73.5	73.9	74.2	74.6	75.0	75.4
6	71.7	72.1	72.5	72.8	73.2	73.6	74.0	74.4	74.7	75.1
7	71.5	71.8	72.2	72.6	73.0	73.3	73.7	74.1	74.5	74.8
8	71.2	71.6	72.0	72.3	72.7	73.1	73.5	73.8	74.2	74.6
9	71.0	71.3	71.7	72.1	72.5	72.8	73.2	73.6	74.0	74.3
2.90	70.7	71.1	71.5	71.8	72.2	72.6	73.0	73.3	73.7	74.1
1	70.5	70.8	71.2	71.6	72.0	72.3	72.7	73.1	73.4	73.8
2	70.2	70.6	71.0	71.3	71.7	72.1	72.5	72.8	73.2	73.6
3	70.0	70.4	70.7	71.1	71.5	71.8	72.2	72.6	72.9	73.3
4	69.8	70.1	70.5	70.9	71.2	71.6	72.0	72.3	72.7	73.1
2.95	69.5	69.9	70.2	70.6	71.0	71.3	71.7	72.1	72.4	72.8
6	69.3	69.6	70.0	70.4	70.7	71.1	71.5	71.8	72.2	72.6
7	69.0	69.4	69.8	70.1	70.5	70.9	71.2	71.6	72.0	72.3
8	68.8	69.2	69.5	69.9	70.3	70.6	71.0	71.4	71.7	72.1
9	68.6	68.9	69.3	69.7	70.0	70.4	70.8	71.1	71.5	71.8

Bundle weight	Beam reading 19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
3.00	68.4	68.7	69.1	69.4	69.8	70.2	70.5	70.9	71.2	71.6
1	68.1	68.5	68.8	69.2	69.6	69.9	70.3	70.6	71.0	71.4
2	67.9	68.3	68.6	69.0	69.3	69.7	70.0	70.4	70.8	71.1
3	67.7	68.0	68.4	68.7	69.1	69.5	69.8	70.2	70.5	70.9
4	67.5	67.8	68.2	68.5	68.9	69.2	69.6	69.9	70.3	70.7
3.05	67.2	67.6	67.9	68.3	68.6	69.0	69.4	69.7	70.1	70.4
6	67.0	67.4	67.7	68.1	68.4	68.8	69.1	69.5	69.8	70.2
7	66.8	67.1	67.5	67.8	68.2	68.6	68.9	69.3	69.6	70.0
8	66.6	66.9	67.3	67.6	68.0	68.3	68.7	69.0	69.4	69.7
9	66.4	66.7	67.1	67.4	67.8	68.1	68.5	68.8	69.2	69.5
3.10	66.1	66.5	66.8	67.2	67.5	67.9	68.2	68.6	68.9	69.3
1	65.9	66.3	66.6	67.0	67.3	67.7	68.0	68.4	68.7	69.1
2	65.7	66.1	66.4	66.8	67.1	67.5	67.8	68.1	68.5	68.8
3	65.5	65.9	66.2	66.5	66.9	67.2	67.6	67.9	68.3	68.6
4	65.3	65.6	66.0	66.3	66.7	67.0	67.4	67.7	68.1	68.4
3.15	65.1	65.4	65.8	66.1	66.5	66.8	67.2	67.5	67.8	68.2
6	64.9	65.2	65.6	65.9	66.3	66.6	66.9	67.3	67.6	68.0
7	64.7	65.0	65.4	65.7	66.0	66.4	66.7	67.1	67.4	67.8
8	64.5	64.8	65.2	65.5	65.8	66.2	66.5	66.9	67.2	67.5
9	64.3	64.6	65.0	65.3	65.6	66.0	66.3	66.6	67.0	67.3
3.20	64.1	64.4	64.7	65.1	65.4	65.8	66.1	66.4	66.8	67.1
1	63.9	64.2	64.5	64.9	65.2	65.6	65.9	66.2	66.6	66.9
2	63.7	64.0	64.3	64.7	65.0	65.4	65.7	66.0	66.4	66.7
3	63.5	63.8	64.1	64.5	64.8	65.2	65.5	65.8	66.2	66.5
4	63.3	63.6	63.9	64.3	64.6	64.9	65.3	65.6	66.0	66.3
3.25	63.1	63.4	63.8	64.1	64.4	64.7	65.1	65.4	65.7	66.1
6	62.9	63.2	63.6	63.9	64.2	64.6	64.9	65.2	65.5	65.9
7	62.7	63.0	63.4	63.7	64.0	64.4	64.7	65.0	65.3	65.7
8	62.5	62.8	63.2	63.5	63.8	64.2	64.5	64.8	65.1	65.5
9	62.3	62.6	63.0	63.3	63.6	64.0	64.3	64.6	64.9	65.3
3.30	62.1	62.5	62.8	63.1	63.4	63.8	64.1	64.4	64.7	65.1
1	61.9	62.3	62.6	62.9	63.2	63.6	63.9	64.2	64.6	64.9
2	61.8	62.1	62.4	62.7	63.1	63.4	63.7	64.0	64.4	64.7
3	61.6	61.9	62.2	62.5	62.9	63.2	63.5	63.8	64.2	64.5
4	61.4	61.7	62.0	62.4	62.7	63.0	63.3	63.6	64.0	64.3
3.35	61.2	61.5	61.8	62.2	62.5	62.8	63.1	63.5	63.8	64.1
6	61.0	61.3	61.7	62.0	62.3	62.6	62.9	63.3	63.6	63.9
7	60.8	61.2	61.5	61.8	62.1	62.4	62.8	63.1	63.4	63.7
8	60.7	61.0	61.3	61.6	61.9	62.3	62.6	62.9	63.2	63.5
9	60.5	60.8	61.1	61.4	61.8	62.1	62.4	62.7	63.0	63.3
3.40	60.3	60.6	60.9	61.3	61.6	61.9	62.2	62.5	62.8	63.2
1	60.1	60.4	60.8	61.1	61.4	61.7	62.0	62.3	62.7	63.0
2	59.9	60.3	60.6	60.9	61.2	61.5	61.8	62.2	62.5	62.8
3	59.8	60.1	60.4	60.7	61.0	61.3	61.7	62.0	62.3	62.6
4	59.6	59.9	60.2	60.5	60.9	61.2	61.5	61.8	62.1	62.4
3.45	59.4	59.7	60.0	60.4	60.7	61.0	61.3	61.6	61.9	62.2
6	59.3	59.6	59.9	60.2	60.5	60.8	61.1	61.4	61.7	62.1
7	59.1	59.4	59.7	60.0	60.3	60.6	60.9	61.3	61.6	61.9
8	58.9	59.2	59.5	59.8	60.2	60.5	60.8	61.1	61.4	61.7
9	58.7	59.0	59.4	59.7	60.0	60.3	60.6	60.9	61.2	61.5

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 20.0 - 20.9

Bundle weight	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
1.50	144.0	144.8	145.5	146.2	146.9	147.6	148.4	149.1	149.8	150.5
1	143.1	143.8	144.5	145.2	145.9	146.7	147.4	148.1	148.8	149.5
2	142.1	142.8	143.6	144.3	145.0	145.7	146.4	147.1	147.8	148.5
3	141.2	141.9	142.6	143.3	144.0	144.7	145.4	146.2	146.9	147.6
4	140.3	141.0	141.7	142.4	143.1	143.8	144.5	145.2	145.9	146.6
1.55	139.4	140.1	140.8	141.5	142.2	142.9	143.6	144.3	145.0	145.7
6	138.5	139.2	139.9	140.6	141.3	142.0	142.6	143.3	144.0	144.7
7	137.6	138.3	139.0	139.7	140.4	141.1	141.7	142.4	143.1	143.8
8	136.7	137.4	138.1	138.8	139.5	140.2	140.8	141.5	142.2	142.9
9	135.9	136.6	137.2	137.9	138.6	139.3	140.0	140.6	141.3	142.0
1.60	135.0	135.7	136.4	137.1	137.7	138.4	139.1	139.8	140.4	141.1
1	134.2	134.9	135.5	136.2	136.9	137.5	138.2	138.9	139.6	140.2
2	133.4	134.0	134.7	135.4	136.0	136.7	137.4	138.0	138.7	139.4
3	132.5	133.2	133.9	134.5	135.2	135.9	136.5	137.2	137.8	138.5
4	131.7	132.3	133.0	133.7	134.4	135.0	135.7	136.3	137.0	137.7
1.65	130.9	131.6	132.2	132.9	133.6	134.2	134.9	135.5	136.2	136.8
6	130.1	130.8	131.4	132.1	132.7	133.4	134.0	134.7	135.4	136.0
7	129.4	130.0	130.7	131.3	131.9	132.6	133.2	133.9	134.5	135.2
8	128.6	129.2	129.9	130.5	131.2	131.8	132.5	133.1	133.7	134.4
9	127.8	128.5	129.1	129.7	130.4	131.0	131.7	132.3	132.9	133.6
1.70	127.1	127.7	128.3	129.0	129.6	130.3	130.9	131.5	132.2	132.8
1	126.3	127.0	127.6	128.2	128.9	129.5	130.1	130.8	131.4	132.0
2	125.6	126.2	126.9	127.5	128.1	128.7	129.4	130.0	130.6	131.3
3	124.9	125.5	126.1	126.7	127.4	128.0	128.6	129.2	129.9	130.5
4	124.2	124.8	125.4	126.0	126.6	127.3	127.9	128.5	129.1	129.7
1.75	123.4	124.1	124.7	125.3	125.9	126.5	127.1	127.8	128.4	129.0
6	122.7	123.4	124.0	124.6	125.2	125.8	126.4	127.0	127.7	128.3
7	122.0	122.7	123.3	123.9	124.5	125.1	125.7	126.3	126.9	127.5
8	121.4	122.0	122.6	123.2	123.8	124.4	125.0	125.6	126.2	126.8
9	120.7	121.3	121.9	122.5	123.1	123.7	124.3	124.9	125.5	126.1
1.80	120.0	120.6	121.2	121.8	122.4	123.0	123.6	124.2	124.8	125.4
1	119.3	119.9	120.5	121.1	121.7	122.3	122.9	123.5	124.1	124.7
2	118.7	119.3	119.9	120.5	121.1	121.7	122.3	122.8	123.4	124.0
3	118.0	118.6	119.2	119.8	120.4	121.0	121.6	122.2	122.8	123.4
4	117.4	118.0	118.6	119.2	119.7	120.3	120.9	121.5	122.1	122.7
1.85	116.8	117.3	117.9	118.5	119.1	119.7	120.3	120.9	121.4	122.0
6	116.1	116.7	117.3	117.9	118.5	119.0	119.6	120.2	120.8	121.4
7	115.5	116.1	116.7	117.2	117.8	118.4	119.0	119.6	120.1	120.7
8	114.9	115.5	116.0	116.6	117.2	117.8	118.3	118.9	119.5	120.1
9	114.3	114.9	115.4	116.0	116.6	117.1	117.7	118.3	118.9	119.4
1.90	113.7	114.3	114.8	115.4	116.0	116.5	117.1	117.7	118.2	118.8
1	113.1	113.7	114.2	114.8	115.4	115.9	116.5	117.1	117.6	118.2
2	112.5	113.1	113.6	114.2	114.8	115.3	115.9	116.4	117.0	117.6
3	111.9	112.5	113.0	113.6	114.2	114.7	115.3	115.8	116.4	117.0
4	111.3	111.9	112.5	113.0	113.6	114.1	114.7	115.2	115.8	116.4
1.95	110.8	111.3	111.9	112.4	113.0	113.5	114.1	114.6	115.2	115.8
6	110.2	110.8	111.3	111.9	112.4	113.0	113.5	114.1	114.6	115.2
7	109.6	110.2	110.7	111.3	111.8	112.4	112.9	113.5	114.0	114.6
8	109.1	109.6	110.2	110.7	111.3	111.8	112.4	112.9	113.5	114.0
9	108.5	109.1	109.6	110.2	110.7	111.3	111.8	112.3	112.9	113.4

Bundle weight	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
2.00	108.0	108.5	109.1	109.6	110.2	110.7	111.2	111.8	112.3	112.9
1	107.5	108.0	108.5	109.1	109.6	110.1	110.7	111.2	111.8	112.3
2	106.9	107.5	108.0	108.5	109.1	109.6	110.1	110.7	111.2	111.7
3	106.4	106.9	107.5	108.0	108.5	109.1	109.6	110.1	110.7	111.2
4	105.9	106.4	106.9	107.5	108.0	108.5	109.1	109.6	110.1	110.6
2.05	105.4	105.9	106.4	106.9	107.5	108.0	108.5	109.1	109.6	110.1
6	104.8	105.4	105.9	106.4	106.9	107.5	108.0	108.5	109.0	109.6
7	104.3	104.9	105.4	105.9	106.4	107.0	107.5	108.0	108.5	109.0
8	103.8	104.4	104.9	105.4	105.9	106.4	107.0	107.5	108.0	108.5
9	103.3	103.9	104.4	104.9	105.4	105.9	106.4	107.0	107.5	108.0
2.10	102.8	103.4	103.9	104.4	104.9	105.4	105.9	106.5	107.0	107.5
1	102.4	102.9	103.4	103.9	104.4	104.9	105.4	105.9	106.5	107.0
2	101.9	102.4	102.9	103.4	103.9	104.4	104.9	105.4	106.0	106.5
3	101.4	101.9	102.4	102.9	103.4	103.9	104.4	105.0	105.5	106.0
4	100.9	101.4	101.9	102.4	102.9	103.4	104.0	104.5	105.0	105.5
2.15	100.5	101.0	101.5	102.0	102.5	103.0	103.5	104.0	104.5	105.0
6	100.0	100.5	101.0	101.5	102.0	102.5	103.0	103.5	104.0	104.5
7	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0	103.5	104.0
8	99.1	99.6	100.1	100.6	101.1	101.5	102.0	102.5	103.0	103.5
9	98.6	99.1	99.6	100.1	100.6	101.1	101.6	102.1	102.6	103.1
2.20	98.2	98.7	99.2	99.6	100.1	100.6	101.1	101.6	102.1	102.6
1	97.7	98.2	98.7	99.2	99.7	100.2	100.7	101.1	101.6	102.1
2	97.3	97.8	98.3	98.7	99.2	99.7	100.2	100.7	101.2	101.7
3	96.8	97.3	97.8	98.3	98.8	99.3	99.8	100.2	100.7	101.2
4	96.4	96.9	97.4	97.9	98.3	98.8	99.3	99.8	100.3	100.8
2.25	96.0	96.5	96.9	97.4	97.9	98.4	98.9	99.3	99.8	100.3
6	95.6	96.0	96.5	97.0	97.5	97.9	98.4	98.9	99.4	99.9
7	95.1	95.6	96.1	96.6	97.0	97.5	98.0	98.5	98.9	99.4
8	94.7	95.2	95.7	96.1	96.6	97.1	97.6	98.0	98.5	99.0
9	94.3	94.8	95.2	95.7	96.2	96.7	97.1	97.6	98.1	98.6
2.30	93.9	94.4	94.8	95.3	95.8	96.2	96.7	97.2	97.7	98.1
1	93.5	94.0	94.4	94.9	95.4	95.8	96.3	96.8	97.2	97.7
2	93.1	93.5	94.0	94.5	94.9	95.4	95.9	96.3	96.8	97.3
3	92.7	93.1	93.6	94.1	94.5	95.0	95.5	95.9	96.4	96.9
4	92.3	92.7	93.2	93.7	94.1	94.6	95.1	95.5	96.0	96.4
2.35	91.9	92.4	92.8	93.3	93.7	94.2	94.7	95.1	95.6	96.0
6	91.5	92.0	92.4	92.9	93.3	93.8	94.3	94.7	95.2	95.6
7	91.1	91.6	92.0	92.5	92.9	93.4	93.9	94.3	94.8	95.2
8	90.7	91.2	91.6	92.1	92.6	93.0	93.5	93.9	94.4	94.8
9	90.4	90.8	91.3	91.7	92.2	92.6	93.1	93.5	94.0	94.4
2.40	90.0	90.4	90.9	91.3	91.8	92.2	92.7	93.1	93.6	94.0
1	89.6	90.1	90.5	90.9	91.4	91.8	92.3	92.7	93.2	93.6
2	89.2	89.7	90.1	90.6	91.0	91.5	91.9	92.4	92.8	93.3
3	88.9	89.3	89.8	90.2	90.6	91.1	91.5	92.0	92.4	92.9
4	88.5	88.9	89.4	89.8	90.3	90.7	91.2	91.6	92.0	92.5
2.45	88.1	88.6	89.0	89.5	89.9	90.3	90.8	91.2	91.7	92.1
6	87.8	88.2	88.7	89.1	89.5	90.0	90.4	90.9	91.3	91.7
7	87.4	87.9	88.3	88.7	89.2	89.6	90.0	90.5	90.9	91.4
8	87.1	87.5	87.9	88.4	88.8	89.3	89.7	90.1	90.6	91.0
9	86.7	87.2	87.6	88.0	88.5	88.9	89.3	89.8	90.2	90.6

COTTON FIBER TENSILE STRENGTH
(1,000 lbs/sq. in.)
for Various Bundle Weights and
Beam Readings of 20.0 - 20.9

Bundle weight	Beam Reading 20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
2.50	86.4	86.8	87.2	88.7	88.1	88.5	89.0	89.4	89.8	90.3
1	86.0	86.5	86.9	87.3	87.8	88.2	88.6	89.0	89.5	89.9
2	85.7	86.1	86.5	87.0	87.4	87.8	88.3	88.7	89.1	89.5
3	85.3	85.8	86.2	86.6	87.1	87.5	87.9	88.3	88.8	89.2
4	85.0	85.4	85.9	86.3	86.7	87.1	87.6	88.0	88.4	88.8
2.55	84.7	85.1	85.5	85.9	86.4	86.8	87.2	87.6	88.1	88.5
6	84.3	84.8	85.2	85.6	86.0	86.5	86.9	87.3	87.7	88.1
7	84.0	84.4	84.9	85.3	85.7	86.1	86.5	87.0	87.4	87.8
8	83.7	84.1	84.5	84.9	85.4	85.8	86.2	86.6	87.0	87.5
9	83.4	83.8	84.2	84.6	85.0	85.5	85.9	86.4	86.7	87.1
2.60	83.0	83.5	83.9	84.3	84.7	85.1	85.5	86.0	86.4	86.8
1	82.7	83.1	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.5
2	82.4	82.8	83.2	83.6	84.1	84.5	84.9	85.3	85.7	86.1
3	82.1	82.5	82.9	83.3	83.7	84.2	84.6	85.0	85.4	85.8
4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.7	85.1	85.5
2.65	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1
6	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8
7	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5
8	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2
9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9
2.70	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6
1	79.7	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3
2	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0
3	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7
4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.3
2.75	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.0
6	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8
7	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5
8	77.7	78.1	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2
9	77.4	77.8	78.2	78.5	78.9	79.3	79.7	80.1	80.5	80.9
2.80	77.1	77.5	77.9	78.3	78.6	79.0	79.4	79.8	80.2	80.6
1	76.8	77.2	77.6	78.0	78.4	78.8	79.1	79.5	79.9	80.3
2	76.6	76.9	77.3	77.7	78.1	78.5	78.9	79.2	79.6	80.0
3	76.3	76.7	77.1	77.4	77.8	78.2	78.6	79.0	79.3	79.7
4	76.0	76.4	76.8	77.2	77.5	77.9	78.3	78.7	79.1	79.4
2.85	75.8	76.1	76.5	76.9	77.3	77.6	78.0	78.4	78.8	79.2
6	75.5	75.9	76.2	76.6	77.0	77.4	77.8	78.1	78.5	78.9
7	75.2	75.6	76.0	76.4	76.7	77.1	77.5	77.9	78.2	78.6
8	75.0	75.3	75.7	76.1	76.5	76.8	77.2	77.6	78.0	78.3
9	74.7	75.1	75.4	75.8	76.2	76.6	76.9	77.3	77.7	78.1
2.90	74.4	74.8	75.2	75.6	75.9	76.3	76.7	77.1	77.4	77.8
1	74.2	74.6	74.9	75.3	75.7	76.0	76.4	76.8	77.2	77.5
2	73.9	74.3	74.7	75.0	75.4	75.8	76.2	76.5	76.9	77.3
3	73.7	74.0	74.4	74.8	75.2	75.5	75.9	76.3	76.6	77.0
4	73.4	73.8	74.2	74.5	74.9	75.3	75.6	76.0	76.4	76.7
2.95	73.2	73.5	73.9	74.3	74.6	75.0	75.4	75.7	76.1	76.5
6	72.9	73.3	73.7	74.0	74.4	74.8	75.1	75.5	75.9	76.2
7	72.7	73.0	73.4	73.8	74.1	74.5	74.9	75.2	75.6	76.0
8	72.4	72.8	73.2	73.5	73.9	74.3	74.6	75.0	75.3	75.7
9	72.2	72.6	72.9	73.3	73.6	74.0	74.4	74.7	75.1	75.5

Bundle weight	Beam Reading 20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
3.00	72.0	72.3	72.7	73.0	73.4	73.8	74.1	74.5	74.8	75.2
1	71.7	72.1	72.4	72.8	73.2	73.5	73.9	74.2	74.6	75.0
2	71.5	71.8	72.2	72.6	72.9	73.3	73.6	74.0	74.3	74.7
3	71.2	71.6	72.0	72.3	72.7	73.0	73.4	73.7	74.1	74.5
4	71.0	71.4	71.7	72.1	72.4	72.8	73.1	73.5	73.9	74.2
3.05	70.8	71.1	71.5	71.8	72.2	72.5	72.9	73.3	73.6	74.0
6	70.5	70.9	71.3	71.6	72.0	72.3	72.7	73.0	73.4	73.7
7	70.3	70.7	71.0	71.4	71.7	72.1	72.4	72.8	73.1	73.5
8	70.1	70.4	70.8	71.1	71.5	71.8	72.2	72.5	72.9	73.2
9	69.9	70.2	70.6	70.9	71.3	71.6	72.0	72.3	72.7	73.0
3.10	69.6	70.0	70.3	70.7	71.0	71.4	71.7	72.1	72.4	72.8
1	69.4	69.8	70.1	70.5	70.8	71.1	71.5	71.8	72.2	72.5
2	69.2	69.5	69.9	70.2	70.6	70.9	71.3	71.6	72.0	72.3
3	69.0	69.3	69.7	70.0	70.3	70.7	71.0	71.4	71.7	72.1
4	68.7	69.1	69.4	69.8	70.1	70.5	70.8	71.2	71.5	71.8
3.15	68.5	68.9	69.2	69.6	69.9	70.2	70.6	70.9	71.3	71.6
6	68.3	68.6	69.0	69.3	69.7	70.0	70.4	70.7	71.0	71.4
7	68.1	68.4	68.8	69.1	69.5	69.8	70.1	70.5	70.8	71.2
8	67.9	68.2	68.6	68.9	69.2	69.6	69.9	70.3	70.6	70.9
9	67.7	68.0	68.3	68.7	69.0	69.4	69.7	70.0	70.4	70.7
3.20	67.5	67.8	68.1	68.5	68.8	69.1	69.5	69.8	70.2	70.5
1	67.2	67.6	67.9	68.3	68.6	68.9	69.3	69.6	69.9	70.3
2	67.0	67.4	67.7	68.0	68.4	68.7	69.0	69.4	69.7	70.0
3	66.8	67.2	67.5	67.8	68.2	68.5	68.8	69.2	69.5	69.8
4	66.6	67.0	67.3	67.6	68.0	68.3	68.6	69.0	69.3	69.6
3.25	66.4	66.7	67.1	67.4	67.7	68.1	68.4	68.7	69.1	69.4
6	66.2	66.5	66.9	67.2	67.5	67.9	68.2	68.5	68.9	69.2
7	66.0	66.3	66.7	67.0	67.3	67.7	68.0	68.3	68.7	69.0
8	65.8	66.1	66.5	66.8	67.1	67.5	67.8	68.1	68.4	68.8
9	65.6	65.9	66.3	66.6	66.9	67.2	67.6	67.9	68.2	68.6
3.30	65.4	65.7	66.1	66.4	66.7	67.0	67.4	67.7	68.0	68.4
1	65.2	65.5	65.9	66.2	66.5	66.8	67.2	67.5	67.8	68.1
2	65.0	65.3	65.7	66.0	66.3	66.6	67.0	67.3	67.6	67.9
3	64.8	65.1	65.5	65.8	66.1	66.4	66.8	67.1	67.4	67.7
4	64.6	64.9	65.3	65.6	65.9	66.2	66.6	66.9	67.2	67.5
3.35	64.4	64.7	65.1	65.4	65.7	66.0	66.4	66.7	67.0	67.3
6	64.2	64.6	64.9	65.2	65.5	65.8	66.2	66.5	66.8	67.1
7	64.0	64.4	64.7	65.0	65.3	65.6	66.0	66.3	66.6	66.9
8	63.9	64.2	64.5	64.8	65.1	65.5	65.8	66.1	66.4	66.7
9	63.7	64.0	64.3	64.6	64.9	65.3	65.6	65.9	66.2	66.5
3.40	63.5	63.8	64.1	64.4	64.7	65.1	65.4	65.7	66.0	66.3
1	63.3	63.6	63.9	64.2	64.6	64.9	65.2	65.5	65.8	66.1
2	63.1	63.4	63.7	64.1	64.4	64.7	65.0	65.3	65.6	66.0
3	62.9	63.2	63.6	63.9	64.2	64.5	64.8	65.1	65.4	65.8
4	62.7	63.1	63.4	63.7	64.0	64.3	64.6	64.9	65.3	65.6
3.45	62.6	62.9	63.2	63.5	63.8	64.1	64.4	64.7	65.1	65.4
6	62.4	62.7	63.0	63.3	63.6	63.9	64.2	64.6	64.9	65.2
7	62.2	62.5	62.8	63.1	63.4	63.8	64.1	64.4	64.7	65.0
8	62.0	62.3	62.6	62.9	63.3	63.6	63.9	64.2	64.5	64.8
9	61.8	62.1	62.5	62.8	63.1	63.4	63.7	64.0	64.3	64.6

CONVERSION TABLE
Cotton Fiber Strength (1,000 pounds per sq. in.) to Pressley Index

Strength	Index	Strength	Index	Strength	Index	Strength	Index	Strength	Index	Strength	Index	Strength	Index
42.6 thru 43.6	4.0	59.9 thru 60.9	5.6	77.2 thru 78.2	7.2	94.5 thru 95.5	8.8	111.8 thru 112.8	10.4	129.1 thru 130.1	12.0	146.4 thru 147.4	13.6
43.7 thru 44.7	4.1	61.0 thru 62.0	5.7	78.3 thru 79.3	7.3	95.6 thru 96.6	8.9	112.9 thru 113.9	10.5	130.2 thru 131.2	12.1	147.5 thru 148.5	13.7
44.8 thru 45.8	4.2	62.1 thru 63.1	5.8	79.4 thru 80.4	7.4	96.7 thru 97.7	9.0	114.0 thru 115.0	10.6	131.3 thru 132.3	12.2	148.6 thru 149.6	13.8
45.9 thru 46.9	4.3	63.2 thru 64.2	5.9	80.5 thru 81.5	7.5	97.8 thru 98.8	9.1	115.1 thru 116.1	10.7	132.4 thru 133.4	12.3	149.7 thru 150.7	13.9
47.0 thru 47.9	4.4	64.3 thru 65.2	6.0	81.6 thru 82.5	7.6	98.9 thru 99.8	9.2	116.2 thru 117.1	10.8	133.5 thru 134.4	12.4	150.8 thru 151.7	14.0
48.0 thru 49.0	4.5	65.3 thru 66.3	6.1	82.6 thru 83.6	7.7	99.9 thru 100.9	9.3	117.2 thru 118.2	10.9	134.5 thru 135.5	12.5	151.8 thru 152.8	14.1
49.1 thru 50.1	4.6	66.4 thru 67.4	6.2	83.7 thru 84.7	7.8	101.0 thru 102.0	9.4	118.3 thru 119.3	11.0	135.6 thru 136.6	12.6	152.9 thru 153.9	14.2
50.2 thru 51.2	4.7	67.5 thru 68.5	6.3	84.8 thru 85.8	7.9	102.1 thru 103.1	9.5	119.4 thru 120.4	11.1	136.7 thru 137.7	12.7	154.0 thru 155.0	14.3
51.3 thru 52.3	4.8	68.6 thru 69.6	6.4	85.9 thru 86.9	8.0	103.2 thru 104.2	9.6	120.5 thru 121.5	11.2	137.8 thru 138.8	12.8	155.1 thru 156.1	14.4
52.4 thru 53.3	4.9	69.7 thru 70.6	6.5	87.0 thru 87.9	8.1	104.3 thru 105.2	9.7	121.6 thru 122.5	11.3	138.9 thru 139.8	12.9	156.2 thru 157.1	14.5
53.4 thru 54.4	5.0	70.7 thru 71.7	6.6	88.0 thru 89.0	8.2	105.3 thru 106.3	9.8	122.6 thru 123.6	11.4	139.9 thru 140.9	13.0	157.2 thru 158.2	14.6
54.5 thru 55.5	5.1	71.8 thru 72.8	6.7	89.1 thru 90.1	8.3	106.4 thru 107.4	9.9	123.7 thru 124.7	11.5	141.0 thru 142.0	13.1	158.3 thru 159.3	14.7
55.6 thru 56.6	5.2	72.9 thru 73.9	6.8	90.2 thru 91.2	8.4	107.5 thru 108.5	10.0	124.8 thru 125.8	11.6	142.1 thru 143.1	13.2	159.4 thru 160.4	14.8
56.7 thru 57.7	5.3	74.0 thru 75.0	6.9	91.3 thru 92.3	8.5	108.6 thru 109.6	10.1	125.9 thru 126.9	11.7	143.2 thru 144.2	13.3	160.5 thru 161.5	14.9
57.8 thru 58.8	5.4	75.1 thru 76.1	7.0	92.4 thru 93.4	8.6	109.7 thru 110.6	10.2	127.0 thru 127.9	11.8	144.3 thru 145.2	13.4	161.6 thru 162.5	15.0
58.9 thru 59.8	5.5	76.2 thru 77.1	7.1	93.5 thru 94.4	8.7	110.7 thru 111.7	10.3	128.0 thru 129.0	11.9	145.3 thru 146.3	13.5	162.6 thru 163.6	15.1